REPORT OF THE

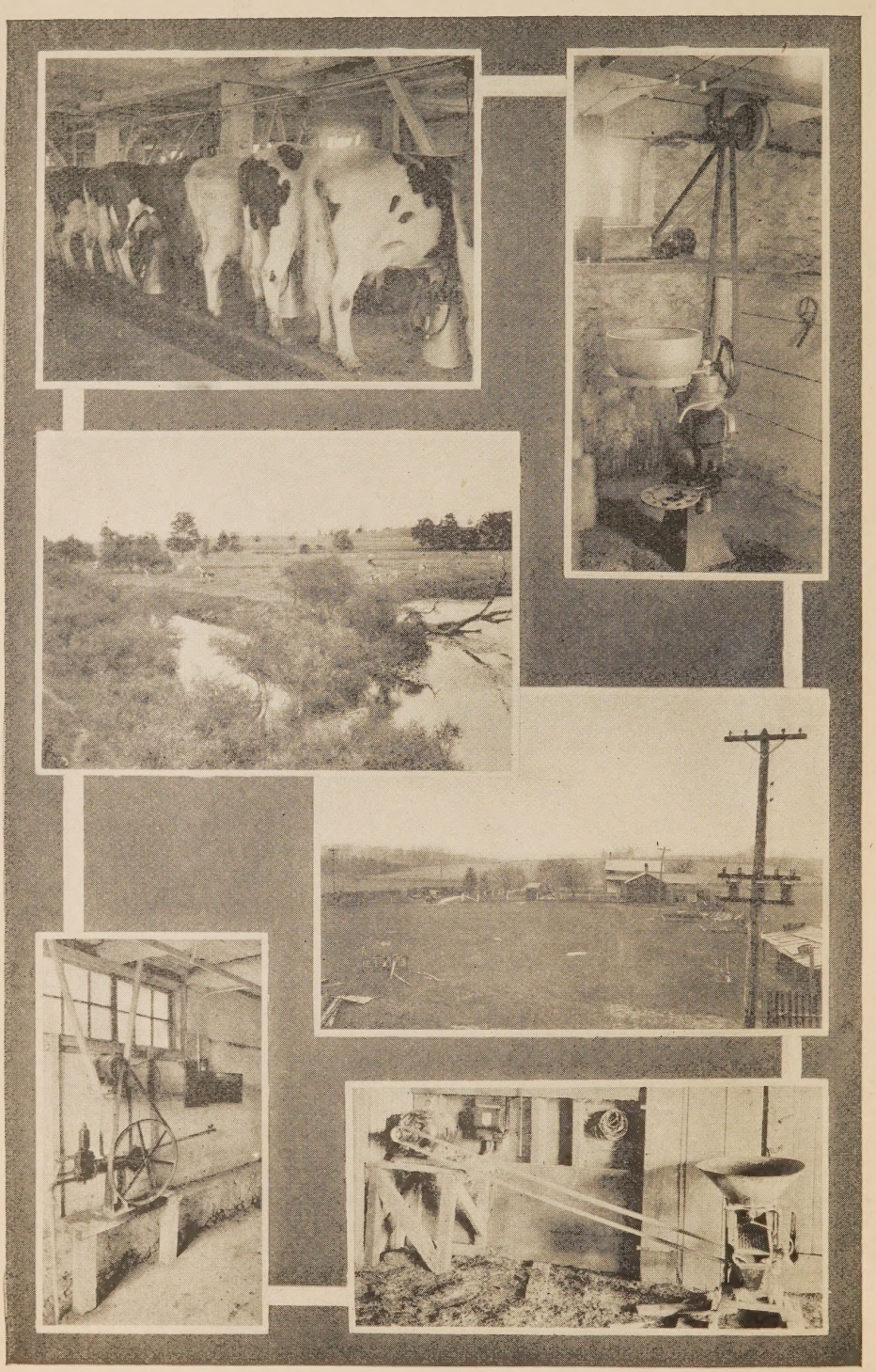
Hydro-Electric Power Commission

OF ONTARIO

1927

MR. WILLS MACLACHLAN

Wills Maclachlan



RURAL ELECTRICAL SERVICE IN ONTARIO

Electrical milking.
Rural scene.
Motor driving pump.
Motor driving cream separator.
Electrical service to a farm.
Motor driving feed chopper.

Twentieth Annual Report

OF THE

HYDRO-ELECTRIC POWER COMMISSION

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1927

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

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1928

HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

CHARLES A. MAGRATH, ESQ. ..... *Chairman*

HON. J. R. COOKE, M.L.A. ..... *Commissioner*

C. ALFRED MAGUIRE, ESQ. ..... *Commissioner*

W. W. POPE, ESQ. ..... *Secretary*

F. A. GABY, ESQ., B.A.SC., D.SC. ..... *Chief Engineer*

To His Honour THE HONOURABLE WILLIAM D. ROSS,

Lieutenant-Governor of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to your Honour the Twentieth Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ending October 31, 1927.

This Report covers all of the Commission's activities and also embodies the financial statements of the municipal electric utilities operating in conjunction with the various systems of the Commission and supplying electrical service to the people of the Province.

Dealing, as it does, with a multiplicity of activities relating to several electrical systems obtaining power from twenty-two hydro-electrical plants operated by the Commission, supplemented by power purchased from other sources, and recording financial and other data relating to the individual local municipal electric utilities, the Annual Report presents a large amount of statistical information, much of which must, of necessity, be of a summary character.

The financial statements, the statistical data and the general information given, however, are so arranged and presented as to convey a comprehensive outlook on the features of the Commission's operations. Not only does the Report record the progress made during the past year, but it gives, in addition, certain cumulative results for the various periods during which operation has been maintained in the respective municipalities.

During the past year the work of the Hydro-Electric Power Commission has been characterized by steady growth. On the Central Ontario and Trent system and on the Rideau, St. Lawrence and Ottawa systems the increases in load have necessitated arrangements being made for additional supplies of power. To meet these increased demands, the Commission is negotiating a contract with the Gatineau Power Company for a supply of 60-cycle power. Transmission lines are now being constructed to convey power from developments on the Gatineau river to the Niagara system of the Commission, and during the year 1928 this additional power will be available for five systems.

The operation of all the systems has been carried on successfully and without serious trouble. The class of equipment provided in the Commission's generating plants and on its transmission networks, and the care with which it is maintained and operated have enabled the Commission to provide a remarkable continuity of service. This is indicated by the fact that power was never entirely off the Niagara system for a single minute during the year. On the Georgian Bay system the continued combined operation of the various generating plants has been very satisfactory and has resulted in an improved service. On the Central Ontario and Trent system, special attention has been given to the problem of conserving and increasing the flow of streams by the installation of dams and the creation of storage reservoirs.

Cost of Electrical Service Furnished by the Commission

The function of the Commission is not only to use its best endeavours to provide for the people of Ontario, at cost, an adequate and reliable supply of electrical energy, but also to ensure that the cost of that electrical energy to the consumers shall be the minimum consistent with the financial stability of the enterprise. The success that has been attained in the accomplishment of the latter object may be appreciated from the fact that, whereas, according to a recent statement by an accredited authority in the United States,* the average cost of electricity to the domestic consumer in the United States, in 1927, exceeded seven cents per kilowatt-hour, the corresponding cost in Ontario, in municipalities served by the Hydro-Electric Power Commission—as shown by the figures given in Statement "D", of this Report—was, for 1927, less than two cents per kilowatt hour. Statement "D" indicates also that rates for commercial light and industrial power service in Ontario are similarly low.

Respecting the cost to the ultimate consumer of electrical service furnished to Ontario municipalities by the Commission, the following facts are of interest:

More than eighty per cent of the electrical energy utilized for domestic service is sold in municipalities where the average charge to consumers of this class is less than two cents per kilowatt-hour.

More than eighty per cent of the electrical energy utilized for commercial light service is sold in municipalities where the average charge to consumers of this class is less than three cents per kilowatt-hour.

More than seventy per cent of the electrical power distributed by municipal systems and utilized for power service is sold in municipalities where the average charge to consumers is less than twenty-five dollars per horsepower per year.

In each of the above cases the consumers' cost quoted is inclusive of all charges.

Growth in Load

The following tabulation shows the growth in load in the various systems during the year.

*Consult, *Electrical World*, New York, January 7, 1928.

DISTRIBUTION OF POWER TO SYSTEMS

20-Minute-Peak Horsepower

System Coincident Peaks

System	October 1926	December 1926	October 1927	December 1927
Niagara system	800,000	809,651	810,322	853,960
Georgian Bay system	17,109	18,191	19,247	21,791
St. Lawrence system	6,790	6,932	8,246	9,033
Rideau system	3,076	3,150	3,290	3,123
Thunder Bay system	40,977	45,640	43,603	42,332
Ottawa system	16,354	17,728	18,480	18,794
Central Ontario and Trent system	41,166	43,901	43,458	47,994
Nipissing system	2,560	2,697	3,054	3,225
Total	928,032	947,890	949,700	1,000,252

Financial Summaries

It will be observed that the financial statements embodied in this Report are presented in two main divisions, namely, a division—Section IX—which deals with the operations of the Commission in the generation, transformation and transmission of electrical energy *to the co-operating municipalities*, and a division—Section X—which deals with the various operations of the municipal electric utilities in the localized distribution of electrical energy *to consumers*.

The cumulative results to date of the operation of the several systems of the Commission as set forth in this Report demonstrate a healthy financial condition.

The total investment of the Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is $204,372,066.84, and the investment of the municipalities in distributing systems and other assets is $81,792,678.34, making in power and hydro-electric railway undertakings a total investment of $286,164,745.18. The total revenue derived from this capital investment aggregated $34,056,707.88 in 1927.

The following statement shows the capital invested in the respective systems and municipal undertakings:

Niagara system	$157,273,132.98
Georgian Bay system	5,315,625.84
St. Lawrence system	1,328,384.25
Rideau system	1,173,928.46
Thunder Bay system	14,144,679.68
Ottawa system	143,441.05
Engineering—Power sites, Algoma district	7,288.23
Central Ontario and Trent system	14,260,456.10
Nipissing system	1,054,487.80
Hydro-electric railways	6,696,522.91
Office and service buildings, construction plant, inventories, etc., relating to all of the above properties	2,974,119.54
	$204,372,066.84
Municipalities' distributing systems and other assets (exclusive of $10,143,205.66 of municipal sinking fund equity in H-E.P.C. system)—all systems	$81,792,678.34
	$286,164,745.18

The following statement shows the combined revenue of the Hydro-Electric Power Commission and the municipal electric utilities:

Revenue of the Hydro-Electric Power Commission:			
From the municipal electric utilities, rural power districts, Hydro-Electric railways and other power customers—			
Niagara system	$16,684,817.42		
Georgian Bay system	704,669.94		
St. Lawrence system	253,526.04		
Rideau system	156,431.32		
Thunder Bay system	1,030,395.10		
Ottawa system	190,653.30		
Bonnechere Storage	4,111.20		
		$19,024,604.32	
From rural consumers—			
Niagara rural power districts	$904,545.56		
" rural lines	5,258.63		
Georgian Bay rural power districts	33,885.15		
" " rural lines	274.72		
St. Lawrence rural power districts	18,852.11		
Ottawa rural power district	16,107.47		
		978,923.64	
From the Central Ontario and Trent System, also Nipissing System and the Pulp Mill		2,328,173.17	
		$22,331,701.13	
From Hydro-Electric Railways—			
Sandwich, Windsor & Amherstburg Ry.	$1,089,611.05		
Guelph Radial Railway	115,794.95		
		1,205,406.00	
Total revenue of the Commission			$23,537,107.13
Revenue collected by the municipal electric utilities			24,583,022.13
Aggregate revenue of the Commission and the municipal electric utilities			$48,120,129.26
Deduct:			
Revenue from power supplied to:			
Municipal electric utilities		$13,975,890.69	
Hydro-Electric Railways		87,530.69	
(See footnote)			14,063,421.38
Combined revenue			$34,056,707.88

Revenue of Commission

As usual the Commission is able to report that the revenue obtained from the consumers has been more than sufficient to meet the full cost of generating and transmitting the electrical energy as well as to provide for all operating expenses and the fixed charges of the municipal utility equipments.

The Commission collected from the municipal utilities and other customers, for power sold, a total sum of $22,331,701.13. This sum was appropriated to meet all the necessary fixed charges and to provide for the expenses of operation and administration. After meeting all charges there was left a net surplus of $534,196.93.

*Note: This deduction is made due to the fact that the revenue of the municipal electric utilities is the source from which the Commission is reimbursed for the cost of power supplied to such utilities.

The following statement summarizes the Commission's collections from municipal electric utilities and other power customers for the year and shows how the collections have been appropriated:

Revenue from municipal electric utilities and other power customers		$22,331,701.13
Appropriated as follows:		
Operation, maintenance, administration, interest and other current expenses	$16,404,769.61	
Reserves for sinking fund, renewal of plant and equipment and contingencies	5,392,734.59	
		21,797,504.20
Net surplus, after providing for all expenses and necessary fixed charges, credited to municipalities and shown in their accounts		$534,196.93

Rural Electrification

During the past two or three years very substantial progress has been made in Ontario in the field of rural electrification. Practically all rural electrical service is now given through rural power districts which are operated directly by the Commission. There is now more than $5,200,000 invested in the rural power district systems established by the Commission. Towards this rural work the Ontario Government, pursuant to its policy of promoting the basic industry of agriculture, has, in the form of grants-in-aid, contributed 50 per cent of the costs of transmission lines and equipment, or about $2,600,000. About 2,850 miles of transmission lines have been constructed to date, of which 910 miles were constructed during the past year, a mileage which exceeds that constructed in any former year. There are now more than 25,000 customers supplied in the rural power districts.

RURAL POWER DISTRICTS—OPERATIONS FOR YEAR 1927

	Niagara system	Georgian Bay system	St. Lawrence system	Ottawa system	Central Ontario and Trent system and Nipissing system	Totals
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Cost of power as provided to be paid under sec. 23 of the Act	308,809.74	12,929.81	7,035.64	3,721.96	21,392.13	353,889.28
Cost of operation, maintenance and administration	235,553.62	7,102.90	4,464.42	6,738.88	15,098.82	268,958.64
Interest	92,675.93	5,124.98	2,617.49	2,649.55	4,949.46	108,017.41
Renewals	78,193.87	3,645.70	1,965.38	2,144.09	4,063.32	90,012.36
Contingencies and obsolescence	39,096.93	1,813.86	982.69	1,073.05	2,088.30	45,053.83
Sinking fund	20,764.27	1,135.19	533.93	575.56	.....	23,008.95
Total expenses	775,094.36	31,752.44	17,599.55	16,902.09	47,592.03	888,940.47
Revenue from customers	904,545.56	33,885.15	18,852.11	16,107.47	59,167.87	1,032,558.16
Surplus	129,451.20	2,132.71	1,252.56	.....	11,575.84	144,412.31
Deficit	.....	.....	.....	794.62	.....	794.62
Net surplus	.....	.....	.....	.....	.....	143,617.69

Municipal Electric Utilities

The following is a summary of the year's operation of the electric utilities of the municipalities which operate under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities		$24,583,022.13
Cost of power	$13,652,712.09	
Operation, maintenance and administration	4,681,466.93	
Debenture charges and interest	3,694,855.76	
Depreciation	1,262,000.65	
Total		23,291,035.43
Surplus for the year, includes surplus from H-E.P.C.		$1,291,986.70

The above covers only the municipalities operating under cost contracts with the Commission.

Reserves of Commission and Municipal Electric Utilities

The total reserves of the Commission and the municipal electric utilities for sinking fund, renewals, contingencies and insurance purposes amount to $65,533,185.60, made up as follows:

Niagara system	$23,673,222.79
Georgian Bay system	1,379,191.18
St. Lawrence system	333,995.98
Rideau system	212,547.72
Thunder Bay system	612,547.82
Ottawa system	12,555.63
Central Ontario and Trent system	2,105,281.05
Nipissing system	145,692.83
Bonnechere storage	11,201.61
Service buildings and equipment	465,903.62
Hydro-electric railways	156,332.18
Insurance—Workmen's compensation and staff pension insurance	1,820,545.72
Total reserves of Commission	$30,929,018.13
Total reserves of municipal electric utilities	34,505,522.11
Total Commission and municipal reserves	$65,434,540.24

The consolidated balance sheet of the municipal electric utilities, on page 229, shows a total cash balance of $3,014,832.48, and bonds and other investments of $1,696,237.66. The total surplus in the municipal books now amounts to $23,182,716.37, in addition to a depreciation reserve and sundry other reserves aggregating $11,322,805.74.

The Commission has been sensible of the necessity of building up its reserves in order to maintain this important public service on a sound financial basis. During the past seven years there have been placed in operation power properties —including that of the Toronto Power Company acquired by purchase—that have involved a capital outlay aggregating $136,000,000. As each of these properties came into actual operation supplying power to the systems of the Commission, the process of setting up reserves commenced. It may be pointed out that the reserves of the Commission during the past three years have more than doubled.

The following is a brief summary of the principal operations relating to the several systems of the Commission:

Niagara System

The Niagara system embraces all the territory lying between Niagara Falls, Hamilton, and Toronto on the east, and Windsor, Sarnia, and Goderich on the west, served with electrical energy generated at plants on the Niagara river.

There has been a steady increase in the number of consumers supplied on this system, and also in the loads supplied by the Commission to the municipalities. There are no large power developments under construction by the Commission at the present time to serve the Niagara system and the power supply available from the Niagara river will all be in use about the end of the year 1928. In order to provide for the immediate future demands for power, the Commission has entered into a long-term contract with the Gatineau Power Company for 260,000 horsepower. Delivery of the first block of this power is to be made about the end of the year 1928. This power will come from generating plants now being completed on the Gatineau river in the Province of Quebec, and will be received by the Commission at the inter-provincial boundary on the Ottawa river. It will be transmitted over a 220,000-volt steel-tower transmission line in the most direct route to Toronto where, at Leaside, the transmission line will be tied in to the Niagara system. The construction of this line is well under way and the receiving station will be started early in 1928. The power received from the Gatineau river will be 25-cycle power similar to the supply at present given in the Niagara system of the Commission.

The Commission in this system has a total capital investment of $157,273,132.98 and accumulated reserves for renewals, sinking fund and contingencies aggregate $23,673,222.79. In the rural power districts of this system, which are operated directly by the Commission, the revenue for the year from customers was $904,545.56, and the total cost of supplying the service was $775,094.36, leaving a balance of $129,451.20, which is placed to the credit of the districts in this system. The greater part of this surplus is returnable to the users in the form of reduced rates or cash.

With respect to the electric utilities of the municipalities comprising this system, the actual cost of power during the year was $416,246.54 less than the amounts of the interim bills. The municipal electric utilities operated with a net surplus of $940,578.57 after providing $1,083,087.40 for depreciation and $1,375,901.26 for the retirement of installment and sinking fund debentures. Seventeen municipalities had deficits during the year, aggregating $8,529.33. The total revenue of the municipal electric utilities in this system was $20,791,106.65, an increase of $1,329,839.81.

Georgian Bay System

The Georgian Bay system serves that portion of the Province which surrounds the southern end of Georgian bay and lies to the north of territory served by the Niagara system and to the west of the territory served by the

Central Ontario and Trent system. It extends from Kincardine on lake Huron on the west to Uxbridge and Port Perry on the east, and as far north as Huntsville in the district of Muskoka.

This system obtains its electrical energy from five hydro-electric developments and one frequency changing station. The latter is situated at Mount Forest and is used to transfer power in either direction between the Niagara system and the Georgian Bay system as required. The total capacity of these plants approximates 22,000 horsepower. As the aggregate demand of the various municipalities comprising this system has reached the available capacity of the existing generating plants, and as the system peak load has been increasing at the rate of approximately 2,000 horsepower per annum for several years past, an investigation was made during the year covering provision for new developments, and arrangements have been made to undertake the construction next year of a new development at Trethewey falls on the south branch of the Muskoka river a short distance above the Hanna Chute development which will provide an additional 2,300 horsepower in plant capacity. Arrangements were also made to undertake a further development of 12,000 horsepower for this system on the Musquash river which drains the Muskoka watershed. The construction of this development will be started next year and probably completed in about two years' time.

The past year was one of the most successful in the history of the Georgian Bay system, both with respect to the generation and transmission departments controlled by this Commission, and the local distribution systems under the jurisdiction of the municipal commissions. The total capital invested by the Commission in this system is $5,315,625.84, and the accumulated reserves, inclusive of renewals, sinking fund, and contingencies aggregate $1,379,191.18. The revenue for the year from the rural power districts on this system which are directly operated by the Commission, amounted to $33,885.15, whereas the total cost of service was $31,752.44, thus leaving a balance of $2,132.71 to be placed to the credit of the system, a substantial portion of which is returnable to individual consumers in the form of cash or reduced rates.

The results obtained during the year by the electric utilities in the various municipalities have been most satisfactory. The actual cost of power during the year was $46,037.87, less than the total collections by means of interim bil's. The total net surplus for the year from the various municipal electrical util ties amounted to $85,980.24 after providing $46,713.28 for depreciation, and $47,508.23 for the retirement of instalment and sinking fund debentures. Seven small municipalities operated with losses aggregating $4,087.47, whereas the total revenue of the combined municipal electrical utilities of the system was $969,585.93.

St. Lawrence System

The St. Lawrence system serves the district immediately to the north of the St. Lawrence river between Brockville and Lancaster; the supply of power for the system being purchased from the Cedar Rapids Transmission Company, delivery being made at a point near Cornwall. Service is given to eleven municipalities, six rural power districts and two companies.

The Commission in this system has a total capital investment of $1,328,384.25 and accumulated reserves for renewals, sinking fund and contingencies aggregate

$333,995.98. In the rural power districts of this system, which are operated directly by the Commission, the revenue for the year from customers was $18,852.11, and the total cost of supplying the service was $17,599.55, leaving a balance of $1,252.56, which is placed to the credit of the districts in this system. The greater part of this surplus is returnable to the users in the form of reduced rates or cash.

With respect to the electric utilities of the municipalities comprising this system, the actual cost of power during the year was $5,811.56 less than the amounts of the interim bills. The municipal electric utilities operated with a net surplus of $37,806.15 after providing $10,638.00 for depreciation and $10,843.03 for the retirement of instalment and sinking fund debentures. One municipality in this system had a small deficit of $205.28. The total revenue of the municipal electric utilities in this system was $210,947.33.

Rideau System

The Rideau system serves the district in the vicinity of Smiths Falls, Perth and Carleton Place. Power is available from two generating plants, one at Carleton Place and the other installed by the Commission at High Falls. Both are situated on the Mississippi river. The Commission also purchases power from the Rideau Power Company of Merrickville. The Carleton Place plant was in operation during the past year as a standby. The system supplies five municipalities situated between the Ottawa and St. Lawrence rivers, west of Ottawa.

The Commission in this system has a total capital investment of $1,173,928.46 and accumulated reserves for renewals, sinking fund and contingencies aggregate $212,547.72.

With respect to the electric utilities of the municipalities comprising this system the actual cost of power during the year was $9,886.27 less than the amounts of the interim bills. The various municipal electric utilities operated with a surplus of $23,874.73 after providing $8,984.00 for depreciation and $13,212.09 for the retirement of debenture debt. There were no deficits. The total revenue of the municipal electric utilities in this system was $224,793.97.

Thunder Bay System

The Thunder Bay system serves the municipalities situated in the district of Thunder Bay at the head of the Great Lakes. Power supply for this system is obtained from the Commission's hydro-electric developments on the Nipigon river, about seventy miles east of Port Arthur. The Cameron Falls generating station is complete with an installation of 75,000 horsepower. Storage works at the outlet of lake Nipigon regulate the outflow from the lake and the reservoir capacity is sufficient to provide for a complete regulation of the flow.

Apart from the demand for power for the ordinary domestic, commercial and municipal purposes of the cities served, the principal demand for power comes from terminal grain elevators and pulp and paper mills, the latter utilizing the greater portion of the generating plant output. During the past year, three of the ground wood pulp mills served by the system have been obliged to

curtail production on account of adverse market conditions in that particular product. This has resulted in a lower power demand on the system than was anticipated. One of these mills operated at approximately one-third of its capacity during the year while the other two mills were closed down completely, one in July and the other in October. This condition is only temporary, however, as one mill ceased operation to complete the construction of a large extension to its plant, including the installation of a paper machine, and will resume operations again in July of next year fully equipped to manufacture newsprint paper, thus being assured of a local market for its ground wood pulp. The other mill, after closing down, was taken over by one of the strongest companies operating in Canada, and an additional contract has been executed with the Commission for 22,000 horsepower covering the supply of power for a new mill. Delivery of this power starts at the end of 1930. This mill will also be equipped to manufacture newsprint paper and thus, a recurrence of the adverse conditions experienced with these ground wood pulp mills is unlikely in the future.

The loss of load caused by these conditions has, however, been more than offset by the construction of a new pulp and paper mill fully equipped to manufacture newsprint paper; and also by the construction of a large extension to an existing pulp and paper mill which has more than doubled its demand for power on the system. These additional loads, together with the power supplied for the first time to the city of Fort William during the year, have resulted in a substantial increase over the previous year in power sold from the system.

Due to the curtailment of the demands for power from the various pulp mills and to the fact that construction programs for new mills and extensions to existing mills have been delayed, the construction work on the new Alexander development was temporarily closed down at the end of the year. It will be resumed again at an indefinite future date and so arranged that the new development will be ready to deliver power when required.

The city of Fort William was served for the first time at the beginning of the year, and has received service for nearly eleven months of the fiscal year. The highest twenty-minute demand established during the year was 8,660 horsepower, and the average for the year 7,194 horsepower.

The highest peak established by the city of Port Arthur during the year was 32,393 horsepower, being 4,176 horsepower greater than the highest peak established during the preceding year. The average load for the same period was also 1,988 horsepower greater than for 1926. A new pulp and paper mill was placed in operation at Port Arthur during the year, and the capacity of an existing pulp and paper mill was doubled during the same period. As these two additional loads were only served for a portion of the year the actual increase does not appear to be as great as it would have been had these loads been on the system for the full year. This accounts for the difference between the increase in the average load and the increase in the peak demand as compared with the previous year.

The 1927 annual financial statement for the Thunder Bay system, although showing a loss, proves the system to be in much better condition than in previous years and indicates improvement and progress, as the total average load sold, notwithstanding the reductions for the ground wood pulp mills, increased by 6,626 horsepower over 1926, with a corresponding increase in revenue. In

addition, the system for the first time set up sinking fund reserve, this amounting to $130,022.16 for the full year. The other reserves set up for the year were, contingencies and obsolescence $60,626.05; being approximately $36,000 greater than for 1926, and for renewals $107,267.29; or, approximately $8,000 greater than for 1926. Thus, the total reserves set up during 1927 exceeded those for 1926 by $174,765.42; whereas, the total deficit for the year was $64,042.05.

The Commission, in the Thunder Bay system, has a total investment of $14,144,679.68, and accumulated reserves for renewals, contingencies, and sinking fund aggregating $612,547.82. The total revenue of the municipal electrical utilities in the system was $1,176,952.60, or $431,000.05 greater than in 1926, and the total revenue collected by the Commission for power sold to the municipalities and private companies was $1,030,395.10; being $189,080.51 greater than for total collections from customers during 1926. The three municipalities served by this system operated with a net surplus of $89,054.76 after providing depreciation to the extent of $23,970.00 and $23,600.65 for the retirement of debenture debt, although one shows a net loss of $10,363.17.

Due to the construction of additional terminal grain elevators and extensions to those already in operation, to the resumption of operations next year by certain pulp mills, and to the new pulp mill load originating during the past year which will be supplied for the full term of the coming year, the prospects for the future on this system are most promising and studies and investigations already completed, based on accurate information, give indications of surpluses for next year and for several years to come.

Ottawa System

The Ottawa system comprises the city of Ottawa and the Nepean rural power district. It receives its power from a hydro-electric development on the Ottawa river adjacent to the city. Power for the Ottawa system is purchased through the Hydro-Electric Power Commission from a private corporation and, therefore, the municipalities of the Ottawa system are not acquiring any equities nor establishing reserves in power generating and transmission systems. It is interesting to note that, although Ottawa enjoys a very low average cost for electrical energy for domestic service, its net surplus after providing $56,410.00 for depreciation was $50,116.64, an amount almost equal to the revenue received by the electrical utility of the city for the commercial power service it supplied. This is in addition to retiring $19,410.13 debenture debt.

Central Ontario and Trent System

The Central Ontario and Trent system serves the district bordering the north shore of lake Ontario, the westerly limit being the village of Pickering and the easterly, the municipality of Kingston. The nucleus of this system was a group of properties formerly controlled by the Electric Power Company, Limited, and operated by it through the agency of twenty-two subsidiary companies. These properties were all purchased by the province of Ontario on March 1, 1916, and have been operated by the Commission as trustee for the Province since June 1, 1916. Since that date the system has been greatly enlarged in order to meet the constantly growing needs of the district.

Twelve municipalities operating their own distribution systems under contract with the Commission, are grouped in what is known as the Trent system.

Fifteen municipalities where the Commission on behalf of the Province operates the distribution systems and three municipalities receiving power under special conditions, are termed the Central Ontario system.

The power supply for the Central Ontario and Trent system, which is obtained from a number of power developments situated on the Trent and Otonabee rivers, has been somewhat taxed during 1927, owing to the sudden growth of load. Within the year the Commission has received requests for an additional 8,000 horsepower in one municipality alone and this, combined with the more than normal growth of load for the rest of the system, has created an unusual condition for the future. This is to be met by the construction of a new 44,000-volt line from Trenton to Oshawa and by the execution of a contract with the Gatineau Power Company for a future delivery of power.

For financial purposes, the Nipissing system referred to below, is included with the Central Ontario and Trent system. After operating, maintenance and interest charges were met out of the revenue from the system, the balance remaining was insufficient by the sum of $11,785.11 to meet in full the necessary amortization and depreciation reserves. The total reserves to date, provided out of earnings and held specifically for the benefit of the system, amount to $2,250,973.88.

Nipissing System

This system serves the district adjacent to and inclusive of the city of North Bay, the town of Powassan and the villages of Callander and Nipissing. The plant and properties comprising this system form a part of those acquired by the Province in 1916 from the Electric Power Company, Limited, and have been operated by the Commission since that date in a manner similar to that employed in the case of the properties in the Central Ontario district. Two hydro-electric developments serve the Nipissing system, both being situated on the South river, one at Nipissing and the other at Bingham Chute.

Investigations were carried on during the year respecting the provision of additional hydro-electric development which will soon be required. There has been a steady increase in the demand for electrical energy, especially in the city of North Bay, and it is anticipated that the entire available capacity of the two existing developments will be required to supply the demand during the coming year. Plans are being prepared to begin the construction of the new development during the next twelve months so as to provide for meeting the increase in load before the municipalities are confronted with the seriousness of a power shortage.

Due to the expiration of the franchise in North Bay, under which service has been given in the past to that municipality, negotiations have been carried on with the city council covering future operations, and such progress has been made that it is expected that in all of the municipalities on the system by-laws

will be submitted to the ratepayers during the coming year respecting het purchase of the local distribution systems, thus permitting operation in accordance with the standard practice under the Power Commission Act.

The Annual Report

The Table of Contents, pages xxi and xxii, conveys a good understanding of the scope of the matters dealt with in the Report, to which there is also a comprehensive Index. To those not conversant with the Commission's Reports the following notes will be useful.

In Section II, pages 7 to 48, dealing with the Operation of the Systems, are a number of interesting diagrams showing, graphically, the increase in the loads on the various systems. Tables are also presented showing the amounts of power taken by the various municipalities during the past three years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III, on pages 56 to 66. The power distributed to rural districts is, and probably must always be, but a relatively small proportion of the power distributed by the Commission. The supplying of electrical service in rural areas, and especially on the farm, has, however, been of great economic benefit to Ontario. The Provincial government grants-in-aid to this work have been of assistance to agricultural activities, and have enabled the Commission to extend transmission lines to many areas which could not otherwise have received the benefits of electrical service.

In Sections IV, V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

About three-fifths of the Report is devoted to statistical, financial data which are presented in two Sections, IX and X.

Section IX presents in summary form the financial statements relating to the operations of the Commission in the generation, transformation and transmission of electrical energy to the co-operating municipalities. It is introduced by an important explanatory statement which appears on pages 108 to 113, to which special reference should be made.

Section X presents in summary form the financial statements relating to the operations of the municipalities in the localized distribution of electrical energy to consumers. It also contains details of the costs of electrical energy to consumers in the various municipalities and tabular statements of the rates in force which have produced these costs. An explanation of the various tables and statements is given at the commencement of this Section on pages 223 to 225; and a special introduction to Statement "D," which relates to the cost of electrical service in Ontario, together with a diagram, appears on pages 327 to 329.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements descriptive of the operations of the Commission in various branches of its work are suitably placed throughout the Report in order that the citizens of the Province may be kept fully informed upon the working-out of the Commission's policies.

To-day, the Commission is distributing about one million horsepower, and the "Hydro" organization has become firmly established in the general social, commercial and industrial structure of the Province. Recognizing the needs for the future, the Commission is employing every means within its power to provide for the further development, in the most economic manner, of the undeveloped provincial water-power sites, so that hydro-electrical energy may be available at a minimum cost as and when required to meet the needs of the public. This policy of public-ownership and development does not preclude the Commission from occasionally purchasing electrical power when it finds it is good business to do so, and such special purchases of power are in no way to be regarded as a departure from the general policy of the Province with respect to its hydro-electric resources.

The Commission has devoted special attention to facilitating the building-up of suitable reserves in order that the property of the municipally-owned undertaking may be fully safe-guarded, as well as maintained in a highly-efficient condition. It is believed that the efforts along these lines have met with the special approval of the interested municipalities.

It is again my privilege on behalf of the Commission to express its appreciation to the Press of the Province for its service to this great undertaking. Also, the Commission is deeply sensible of the loyal co-operation of its staff, and of the good-will and support of the members of all the local organizations connected with this extensive public work.

Respectfully submitted

CHARLES A. MAGRATH,
Chairman.

TORONTO, ONTARIO, March 31st, 1928.

CHARLES A. MAGRATH, ESQ.,

Chairman, Hydro-Electric Power Commission of Ontario,

Toronto, Ontario.

SIR,—I have the honour to transmit herewith the Twentieth Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ended October 31st, 1927.

I have the honour to be,

Sir,

Your obedient servant,

W. W. POPE,

Secretary.

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ILLUSTRATIONS

DIAGRAMS

MAP

TWENTIETH ANNUAL REPORT

OF THE

Hydro-Electric Power Commission of Ontario

SECTION I

LEGAL

A complete revision and consolidation of The Power Commission Act was prepared and at the 1927 Session of the Legislative Assembly of the Province of Ontario passed as Chapter 17. It now appears in the Revised Statutes of Ontario, 1927, as Chapter 57.

At the said Session of the Legislative Assembly six other Acts relating to the work of The Hydro-Electric Power Commission of Ontario were passed. These are reproduced in full in Appendix I to this report. The short titles to the said Acts are as follows:

The Power Commission Act 1927 (No. 2), Chapter 18.

The Rural Hydro-Electric Distribution Act 1927, Chapter 19.

The Township of Stamford and Hydro-Electric Power Commission Act 1927, Chapter 20.

The Power Commission Insurance Act 1927, Chapter 21.

The Hydro-Electric Railway Act 1927, Chapter 57.

The Toronto Radial Railway Act 1927, Chapter 58.

The changes in legislation, more particularly the consolidation of the Power Commission Act, made necessary a careful revision of power contracts and other forms of agreements. Appropriate changes have been made so as to comply with the Consolidated Act.

Amalgamation of Power Development at Niagara

Further progress was made in cleaning up details consequent upon the amalgamation of power development at Niagara which was authorized by the Power Commission and Company's Transfer Act, 1924. Registration under the Act establishing title in the Commission to lands of the Toronto & Niagara Power Company was practically completed.

Toronto Power Company

The Toronto Power Company was made defendant in an Exchequer Court suit but the Company was not directly involved. It had to appear because the debenture stock of the Company and three other forms of security had been chosen as types of determining rights of ownership in an action between the custodian at Ottawa and the custodian at Washington. The question of railway grade separation in the north-west area of Toronto received some consideration. In addition, there were a number of matters more or less routine affecting the Company and its subsidiary companies.

Toronto and York Radials

The release of the Commission from its trusteeship over Toronto & York Radial Railways was completed. The Toronto Radial Railway Act 1927 validated the agreement between the Commission and the city of Toronto which is set out as schedule to that Act. The obligations which had been undertaken by the Commission as trustee for the city were assumed by the city directly. The city took over possession and management of the radial properties at midnight on January 6, 1927. A considerable amount of work has since been done in completing transfers and carrying into effect the statute and the agreement.

Gatineau River Power

Negotiations were commenced for a second contract for the purchase of power from the Gatineau Power Company. In this instance the power is being secured for the Central Ontario and other systems in the eastern part of the Province. The main terms were practically agreed upon. There were a number of provisions, however, which were not settled before the close of the year. Power under this contract will relieve the shortage in the eastern part of the Province until such time as the rights on the St. Lawrence and the Ottawa are determined and power developments can be undertaken.

Power Rights

Power rights and prospective developments on the Ottawa and the St. Lawrence were under investigation and progress was made.

Litigation

An important action in regard to infringement of patent rights in connection with the intake at one of the power plants for which a large sum of money was claimed resulted in judgment in favour of the Commission, appeal was taken and the judgment was sustained, thus establishing the Commission's rights. The Commission had the usual number of incidental proceedings which were disposed of satisfactorily.

Electric Railways

A number of contracts were prepared for additional equipment for the Essex County Railway. Incidental details in connection with railway operation and properties required the usual amount of work.

Wire Crossings

In the extension of the Commission's lines, the lines of other organizations had to be crossed in many places. Rural extension of which so much was done this last year gave rise to the largest number. Agreements were sought in every instance and were obtained in the great majority. In some instances an order was obtained from the Board of Railway Commissioners for Canada.

Joint Use

Varying circumstances have brought up different proposals for joint use of lines. No general agreement has been found feasible, but in individual cases where the circumstances justified the procedure agreements were made, more particularly with telephone companies for sharing space on poles. These agreements took different forms according to the facts in each case. They were limited to cases of necessity.

Purchase of Equipment

A number of contracts were made for hydraulic and for electric equipment. The most important were concerned with the transmission and delivery of electrical power from the Gatineau Power Company.

Sale of Power

Several new municipalities entered into contract with the Commission and became part of the system in which they were situated. Some forty contracts for sale of power to industries and fifteen other customers were completed. Some of these were for large blocks of power.

Rural Electrical Service

There were a large number of new townships which completed rural power contracts with the Commission. In rural power districts the Commission operates on behalf of the municipality. The growth of rural distribution has been rapid. In new areas there is always a crop of inquiries. The work is strange to the people in the district and a certain amount of assistance is necessary before the statute and system become familiar and the work in good operating order. Even in the older districts a large number of queries and difficulties had to be dealt with.

Lighting on Highways

The past year saw a great increase in the lighting of highways in police villages and hamlets. The Consolidated Act brought into effect an improved method of procedure with respect to street lighting in rural power districts. The necessary procedure was outlined, the form of agreement prepared and the new scheme initiated. The improvement in roads and the increasing traffic make street lighting a necessity, and progressive settlements are all anxious to obtain the protection and other benefits which better lighting of the highways affords.

Changes in Local Systems

Rearrangements in the method of serving a number of localities entailed the transfer of equipment and also in a number of instances the transfer of small local systems. In each case proper documents were completed to protect both the Commission and the municipalities concerned.

Municipal Activities

The special nature of "Hydro" legislation occasions many inquiries. The necessary explanations have been given and the difficulties smoothed away. The matters dealt with covered a wide range, for example—the capacity of a local commissioner to hold other office; the carrying of works through an adjoining municipality; the legality of a grant by a public utility to a worthy object; the enlargement of a voted area; the erection of a new municipality with attendant changes.

Miscellaneous

A number of matters which cannot be classified under any of the foregoing heads required a due amount of attention. For the first time damage was done to a line of the Commission by an aeroplane hired from the owner for taxi service. Consideration was given in one or two instances to matters arising from Commission's communication systems, both carrier wave and short beam radio. Some work was also done in connection with different phases of the Commission's duties in inspection of electrical installations.

Right-of-Way

Settlements for right-of-way, pole locations, tree trimming and incidental damages have been made by the Right-of-Way department on the following low-tension lines during the year:—

Heely Falls to Norwood,
Auburn sta. to Peterboro,
Bowmanville to Oshawa,
Cross and Wellington junction to Cross and Wellington line,
Hanna Chute to South Falls,
Chesterville to Morewood,
Williamsburg sta. to Winchester sta.,
Morrisburg to Prescott,
Avonmore junction to Dominionville junction,
Dominionville junction to Monville,
Muskoka Beach junction to Muskoka Beach Company,
Dundas to Caledonia,
Preston to Kitchener,
Preston to Galt,
Kitchener to New Hamburg,
St. Thomas to Sarnia,
Essex to Windsor,
Mimico Creek to Davenport sta.,
Hamilton trans. sta. to intersection telephone line,
Thorold trans. sta. to Union Carbide junction,
Welland to Port Colborne,
Allenburg junction to Dundas trans. sta.,
Pelham junction to Nelson junction,
Dundas junction to Dundas,
Dundas junction to Lynden sta.,
Caledonia to Hagersville,
Guelph to Rockwood,
Stratford to Goderich,
Beachville junction to Embro dist. sta.,
Norwich junction to Tillsonburg,
Simcoe junction to St. Williams dist. sta.,
Paris junction to Burford junction,
Watford dist. sta. to Alvinston,
Bothwell junction to Wallaceburg junction,
Dresden junction to Oil Springs junction,
Kingsville junction to Kingsville dist. sta.,
Leamington junction to Leamington dist. sta.,
Watford junction to Watford dist. sta.,
Mitchell trans. sta. to N.S. & T. Ry.,
Nipigon to Bare Point,
Callendar to North Bay,
Bingham Chute.

Construction work on rural power lines has continued very actively during the year, necessitating the securing of line locations on various highways, county and other roads, and the making of arrangements with many private owners. The policy of the department has been to secure locations for the lines before actual construction has been commenced. This work as well as the settlement of damage and various other claims has been carried out on the following lines: Applehill, Aylmer, Baden, Barrie, Beamsville, Bond Lake, Bothwell, Bolton, Brampton, Brant, Caledonia, Chesterville, Cobourg, Drumbo, Dorchester, Dundas, Elora, Embro, Forest, Galt, Georgetown, Grantham, Haldimand, Jordan, London, Milton, Nepean, Neustadt, Newcastle, Newmarket, Niagara, Norwich, Orangeville, Oshawa, Pickering, Port Hope, Preston, Ridgetown, Saltfleet, Sarnia, Scarboro, Simcoe, St. Marys, St. Thomas, Stratford, Tavistock, Tillsonburg, Walsingham, Waterdown, Welland, Wellington, Woodbridge, Woodstock.

The most important project carried on by this department during 1927 has been the securing of the necessary right-of-way for towers and telephone lines on the Gatineau line from a point on the Ottawa river near Fitzroy Harbour to Leaside, a distance of more than 200 miles. This work involved the securing of easements for approximately 1,000 steel towers and a very large number of telephone poles, etc. A considerable part of this line passes through rough wooded country in the rear of the counties of Frontenac, Hastings, Addington, Lanark, etc., the owners of which were scattered and sometimes rather difficult to locate. Quite a large portion of this right-of-way was covered with bush which rendered it necessary to make contracts for the clearing of a strip of land 150 feet in width for right-of-way. In the great majority of cases and where at all possible this work was let to settlers whose assistance was proved quite satisfactory. Nearly all the clearing has been completed and the majority of the

tower rights, etc., has been secured. The balance of these rights with the settlement of damage claims and other incidentals will be covered during the ensuing year.

A block of land to be used as a station site has been purchased at Leaside and the right-of-way for about two miles east of this site has also been purchased, easements being taken for the remainder of such right-of-way.

The disposal of lands no longer required by the Commission has continued to receive attention. Quite a large block of such lands comprising over 1,300 acres adjacent to the Chippawa creek, which had been used for disposal purposes, has been so disposed of, as well as several small parcels in various other places.

Substation sites have been purchased as follows:—

Port Hope switching station,
Thamesford,
Milbrook.
The necessary site for the Leaside Station has also been secured.

Certain privately-owned lands required in connection with the Alexander power development on the Nipigon river have been secured and license of occupation of lands controlled by the Government of Ontario has been acquired in the same connection.

A number of outstanding claims for flooding damages in connection with storage development at Hollow lake, Braie lake, and Hanna Chute, and other places have been arranged.

As the Commission's activities are extended the number of claims for damages, accidents, etc., increases. It is the policy of the Commission in adjusting these claims to endeavour to arrive at amicable settlements. These are usually reached where the claimants are at all reasonable in their demands. The great majority of such cases has been adjusted without resort to litigation.

SECTION II

OPERATION OF THE SYSTEMS

The operation of all systems was unusually free from the extensive interruptions to service which sometimes occur as a result of lightning, sleet storms and hail. In general, reliable and continuous delivery of power has been experienced, with no load restrictions, and the exceptions were confined to limited areas with interruptions of short duration. Weather conditions were favourable both in regard to precipitation and storms, the rainfall during the summer and autumn doing much to maintain an adequate stream flow at the Commission's generating plants during the months when low flow is often experienced. On the Georgian Bay, Central Ontario, Rideau and Nipissing systems efforts were continued to store as much water as possible in various lakes tributary to the rivers on which the Commission's generating plants are situated, the control dams being operated so as to maintain a more uniform flow during the dry season. This regulation of flow has been of material benefit in the generation of power on the systems mentioned, particularly where the growth of load requires all available generating capacity.

No additional generating stations or generators were put into operation during the past year, and the natural growth of load has reduced the margin between the generating capacity available and the demand. This is the first year since 1918 that no increase has been made in the Commission's generating capacity.

The increase in the peak loads on all systems during this year was 71,500 horsepower, as against 56,000 horsepower last year. Each system showed an increase in average load, and the peak load increased on all except the Thunder Bay system. On the Niagara system, Central Ontario and the Nipissing systems the peak load increased in somewhat greater proportion than the average load. On the Niagara system this disproportionate increase in the peak load was taken care of by the arrangements for export of surplus power, the peak load exported being reduced 9,000 horsepower below 1926 figures, while the surplus kilowatt-hours exported were increased. The St. Lawrence and Rideau systems are the only systems showing an increase in the average load which exceeds the normal growth, the kilowatt-hours taken on these two systems showing increases of 26 per cent. and 15 per cent. respectively.

Taken on the whole, the peak loads show an increase of about eleven per cent., which is close to the average growth as established during the last ten years, but the total kilowatt-hours taken have not increased in proportion.

TOTAL POWER GENERATED AND PURCHASED

Plant	Normal operating capacity Oct. 31, 1927 horsepower	Peak load during fiscal year 1926-1927 horsepower	Total output during fiscal year 1926-1927 kilowatt-hours
HYDRO-ELECTRIC GENERATING PLANTS			
Niagara: Queenston plant	522,790	522,788	2,534,306,000
Niagara: "Ontario Power" plant	183,650	181,635	729,334,500
Niagara: "Toronto Power" plant	147,450	126,675	188,774,000
Sidney, Dam No. 2	4,020	4,826	15,932,100
Frankford, Dam No. 5	3,485	3,673	12,076,300
Meyersburg, Dam No. 8	6,430	8,472	20,442,410
Hague's Reach, Dam No. 9	4,500	4,759	15,141,240
Ranney Falls, Dam No. 10	9,650	10,857	31,784,760
Seymour, Dam No. 11	4,020	4,182	18,247,300
Heely Falls, Dam No. 14	12,060	15,550	32,363,000
Auburn, Dam No. 18	2,010	2,614	9,772,470
Fenelon Falls, Dam No. 30	1,000	965	2,029,160
Cameron Falls	75,000	46,953	212,427,400
Big Chute	5,700	5,684	15,388,380
Eugenia Falls	7,300	7,493	17,477,800
Wasdells Falls	1,200	1,226	4,956,100
South Falls	5,200	5,774	22,553,040
Hanna Chute	1,500	1,609	5,251,200
High Falls	2,400	2,815	6,966,620
Carleton Place	428	409	11,144
Nipissing	2,346	2,346	6,715,720
Bingham Chute	1,200	1,292	2,481,360
	1,003,339	962,597*	3,904,432,004
STEAM PLANTS			
Toronto steam plant	20,000	.....	.....

POWER PURCHASED

	Contract amount horsepower	Peak horsepower	Total purchase kilowatt-hours
Canadian Niagara Power Co.	20,000	22,118	106,138,200
Orillia Water, Light & Power Commission‡	1,200	1,689	119,380
Cedars Rapids Power Co.	7,865	8,312	31,607,500
Rideau Power Co.	650	1,052	3,003,984
Ottawa & Hull Power & Mfg. Co.	18,750	18,883	58,344,000
Campbellford Water & Light Commission	1,876	2,306	2,417,450
Peterborough Hydraulic Power Co.†	.....	2,078	170,040
Canadian General Electric Co.†	.....	.....	1,900
Corporation of Fenelon Falls†	.....	.....	.....
Total purchased	50,341	56,438*	201,802,454
Grand total, 1927	1,073,680	1,019,045*	4,106,234,458
Grand total, 1926	1,072,387	1,035,086*	3,796,157,703
Increase	+1,293	—16,041*	+310,076,755

*Peak totals given are direct sums of plant peaks as shown, without allowance for diversity in time. Therefore these totals do not indicate the demands on the various systems where there is more than one plant supplying power. The decrease in the sum of the generating station peaks for 1927 is due to less diversity in time of maximum demands on stations, not to a decrease in the load of the systems supplied.

†Reciprocal arrangement for suplus power.

‡Due to parallel operation of plants under existing long-term agreement.


HORSEPOWER
HORSEPOWER
NIAGARA SYSTEM
PEAK LOADS
1910 TO 1927
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
Note.—The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company and the Ontario Power Company,—less export power.
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC

References made in above paragraphs to peak loads relate to the peak loads of the various systems, not to the peak loads of the individual generating stations, or purchased power, as given in the preceding table. Transfer of load between generating stations usually causes some diversity between the station peaks—which may occur at different times—and the peak load of the system, which is created by the simultaneous demand of all power users.

NIAGARA SYSTEM

Operating conditions on the Niagara system have altered very little from those prevailing during the previous year, there having been no additions to the generating capacity, to the number of high-tension transformer stations or to the main transmission lines. The operation of the system in two sections has been continued with satisfactory results.

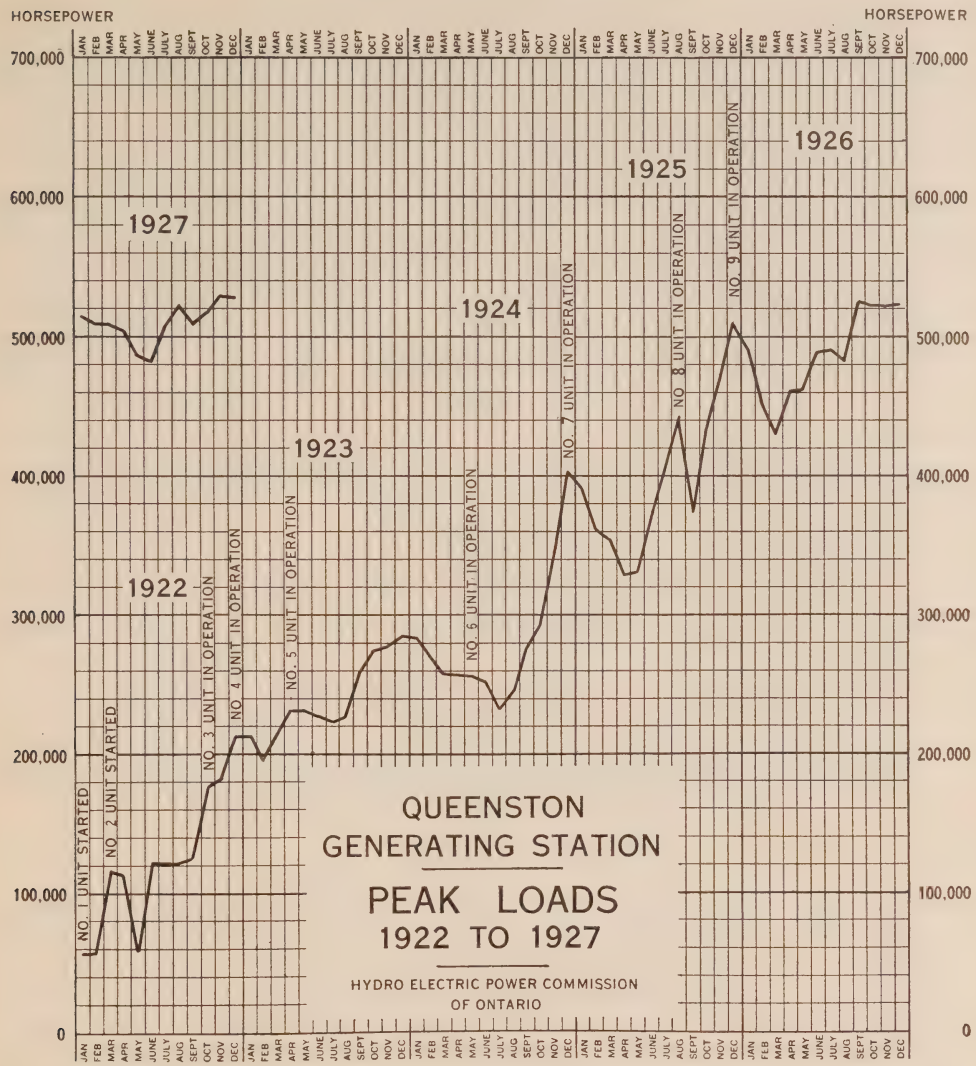
The generating stations have been operated on the same policy as outlined in last year's Report. Queenston, on account of its ability to develop double the amount of power for the same water diversion, carried the main or base load, up to its capacity and as far as interconnections permitted, the balance of the load being divided between the Ontario Power and Toronto Power plants. The load despatching system inaugurated last year has been continued and developed to give the greatest possible power output from the amount of water which the Commission is permitted to divert from the Niagara river.

The demand for power on the Niagara system, exclusive of export power, increased about eleven per cent. over the previous year. This increase of 66,000 horsepower in load exceeds the additional generating capacity installed during the previous year, but no trouble has been experienced in carrying the load, although the margin available for maintenance or contingencies has been correspondingly reduced.

The operation of the system this year has been unusually free from troubles arising out of lightning and sleet storms, and electrical equipment in general has come through the year without serious accidents or damage. Wind storms in Stratford and Kent districts did some damage to the low-tension distributing lines, but the disturbances were confined to small areas.

It is again possible to repeat this year the statement that service has been very satisfactory, and that power has never been completely off the Niagara system for a single minute during the year. This makes three years in succession for which this statement applies. Service to certain districts has been interrupted, but the number and extent of such interruptions have been small.

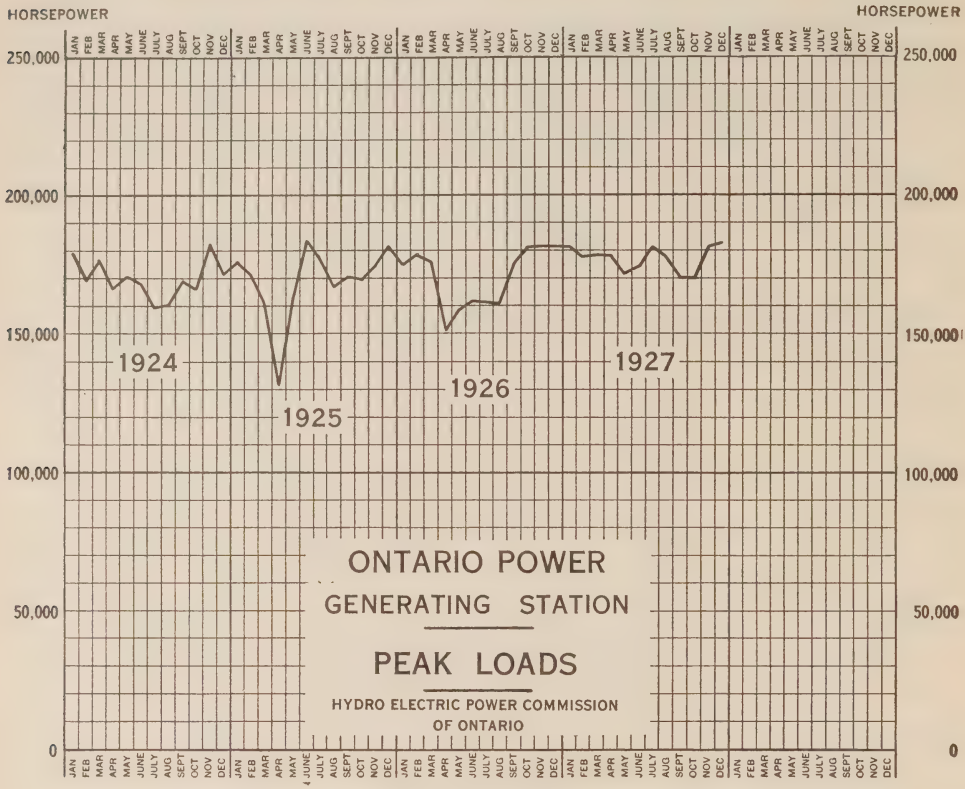
Maintenance work has been carried on actively in all stations and on the transmission and distributing lines, keeping all equipment in efficient and reliable condition. Due to the absence of any serious accidents or breakdowns of equipment, there are not many items of outstanding importance requiring special note in this Report. A general outline of the maintenance work is given under the following sub-headings, without going into details or attempting to cover all classes of maintenance work carried out during the year.



Queenston Generating Station

The plant operated satisfactorily, with no important changes in operating conditions from last year, and carried load continuously, not having suffered a single minute's complete interruption to output. The output totalled 2,534,000,000 kilowatt-hours, with a peak load of 522,000 horsepower.

During the summer months, when the usual seasonal reduction in load permitted, each of the nine units was shut down in turn for inspection and overhauling. This work was carried out on a carefully prepared schedule, and while each unit was shut down, all auxiliary electrical and mechanical equipment was gone over, as well as the main generators and turbines. The

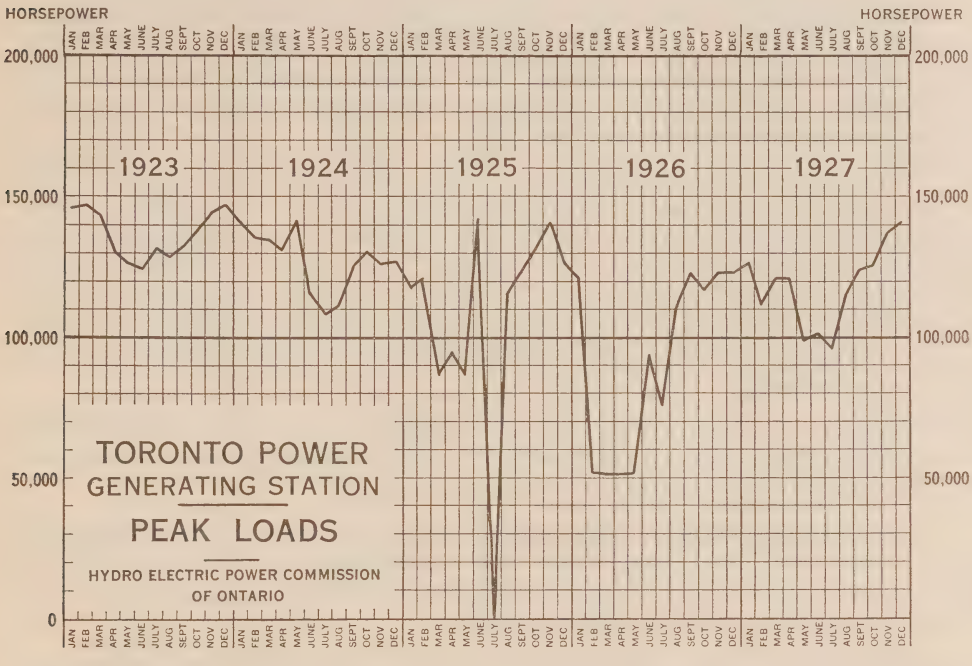


oil-breakers were overhauled, contacts, springs and latches being replaced or repaired where necessary, and all oil filtered. From results of this inspection, it appears that a general overhauling will be necessary each year. The oil was lowered in all high-tension transformers and complete inspection made of the terminal board and high-tension bushings. All the controllers on the bench-board were removed, cleaned and readjusted. The wiring to the meters was given a thorough inspection, and the relay system from the generators to the line was given a complete check. Disconnecting-switches were inspected several times during the year. The control mechanisms for the Johnson valves were taken apart, and cleaned to remove corrosion from the rods, and the various valve seats of the control mechanism were machined and ground. All penstocks were drained for inspection, and the racks in the screen house were cleaned, quite a large amount of debris being removed. The governor system was inspected and checked.

The turbines and bearings were thoroughly overhauled, bearings being rebored and refitted where required. The turbine runner in No. 1 unit was replaced by a steel runner formerly removed from this unit, which had been repaired by welding. The runner removed will be welded and held as a spare. The turbine runner in No. 2 unit was replaced with a new bronze runner. The runners in units Nos. 4 and 5 were repaired by welding and returned to service.

Ontario Power Plant

No serious troubles were experienced in the operation of the plant during the year, except that the winding of No. 4 generator broke down on April 14, and the unit was shut down until July 9, during which time a complete new winding was installed. In May, No. 3 auxiliary turbine was given a general overhauling, and in August, No. 13 unit was shut down for general overhauling and installation of new runners in the turbine. In July and August a new sixteen-inch boring mill was installed in the north end of the power house, permitting machine work to be done on large pieces of equipment without removing them from the plant. New guides and stop-logs were installed at the north end of the screen house, a new roof was built on No. 3 surge tank and painted, and various other maintenance jobs carried out, keeping the plant in efficient condition.



Toronto Power Plant

No serious troubles were experienced. Generator No. 5, which was reported as under repair at the end of last year, had defective coils replaced and was put back into service on November 12, 1926.

Turbine No. 7 was completely overhauled and improvements were made in the method of lubricating the gates. Turbine No. 11 also was completely overhauled, and the runners and distributors replaced by spares. Some electric welding was done on the runner and distributor of auxiliary turbine No. 200, all bearings being renewed. The governors on units Nos. 2, 3, 4, 7, 9, 10 and 11 were completely overhauled, all worn parts were replaced, and some improvements were made in design. This is the first time that these governors have

been completely overhauled since they were first installed. The oil pipe lines throughout the station were rearranged and greatly simplified. Extensive changes were made to roof gutters to give better drainage from generating and transformer station buildings, and the whole of the outside of the generator station building was repointed with a waterproof material. A great deal of painting was done throughout the generating station.

Transformer banks Nos. 3, 4 and 5 were inspected and cleaned, and transformer No. 3 of bank No. 5 was rebuilt.

A new set of reactors was installed on generator No. 5, the old set having been burnt out.

Transmission, Transformation and Distribution

The operation of the Niagara system continued under the same general conditions as last year, the system being divided into two sub-sections to isolate any trouble which might develop. The western section experienced two interruptions totalling fourteen minutes, but continuous power was maintained on the eastern section throughout the year.

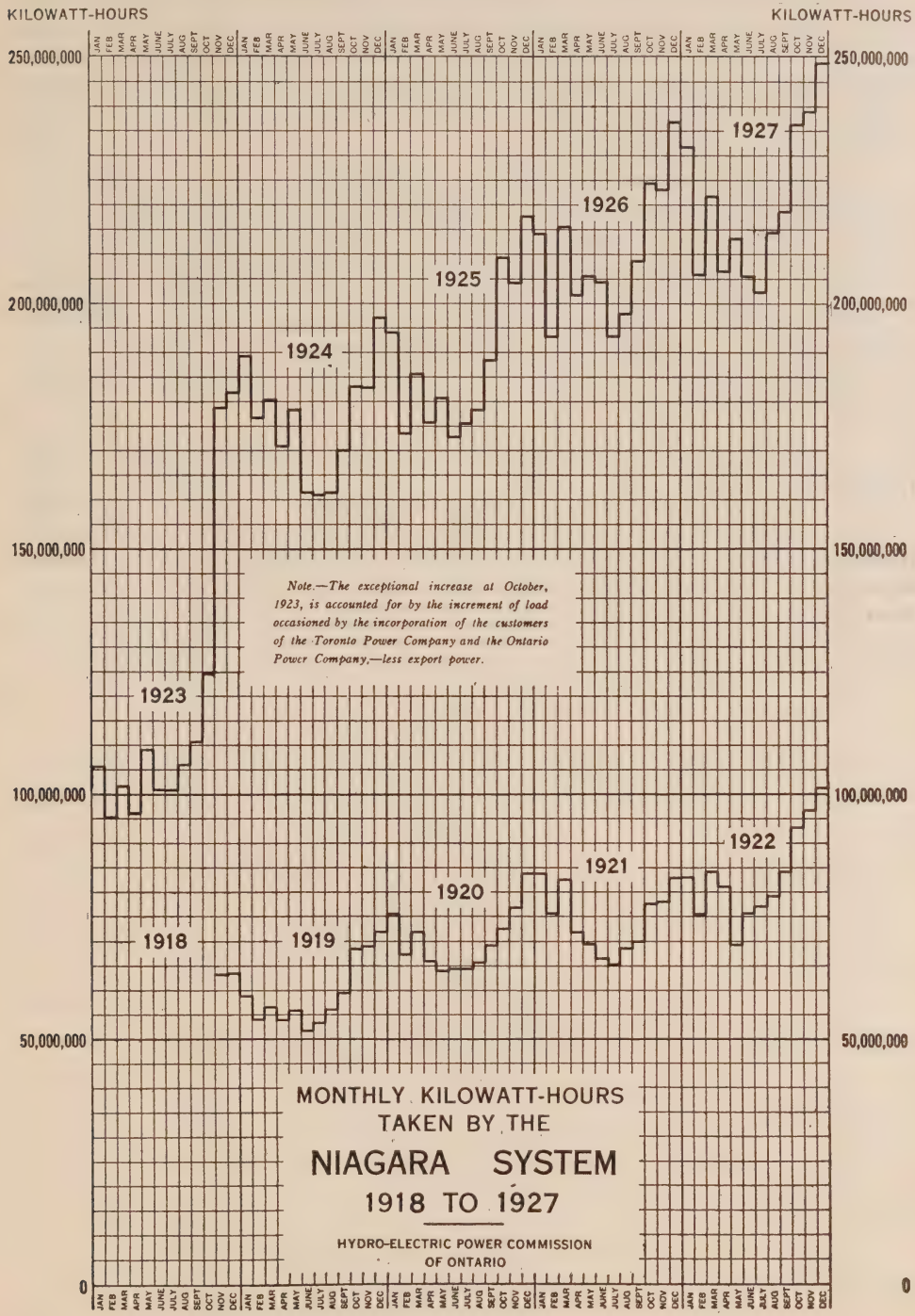
In the stations the circuit-breakers, relays, transformers and various pieces of equipment received periodical inspection, and repairs or adjustments were made where required. Twelve transformers, which were found in poor condition on inspection, or which showed signs of trouble, were rebuilt by the maintenance staff, and one transformer was repaired by the manufacturer. A number of 110,000-volt oil-breakers at St. Thomas, London, St. Marys and Preston high-tension stations were reinforced, four of these having their current carrying capacity increased.

During the year there was a total of fifty lightning storms, sixteen of which were sufficiently extensive to be observed at five or more high-tension stations. No sleet storms of any consequence were encountered.

Routine inspection and maintenance work were carried out on all telephone lines. Due to the increased traffic over the telephone line between Dundas and St. Thomas, the work of phantoming the two physical circuits was started in order to secure a third or phantom circuit.

On the high-tension transmission lines and on the distribution lines the regular patrol and maintenance work was carried out. Tests of 119,422 insulators were made, resulting in the elimination of 2.6 per cent. The stringing of a ground cable on the 110,000-volt wood-pole line between St. Thomas and St. Clair was completed during the year. The records of service indicate that the addition of this ground cable has decreased the number of interruptions due to lightning.

In the Niagara Falls district a new line was put into service on December 11, 1926, from Queenston generating station to a point on the 60,000-volt line from the Ontario Power plant in the vicinity of the Niagara River crossing. This was erected to facilitate the exchange of power between the Queenston and Ontario Power plants, and to permit more efficient use of the water. This line was insulated for 110,000 volts to take care of future requirements, but is at present operated at 60,000 volts. A new 60,000-volt line from near Allanburg


KILOWATT-HOURS
KILOWATT-HOURS
250,000,000
200,000,000
150,000,000
100,000,000
50,000,000
0
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
Note.—The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company and the Ontario Power Company,—less export power.
MONTHLY KILOWATT-HOURS
TAKEN BY THE
NIAGARA SYSTEM
1918 TO 1927
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

junction to Thorold station was completed and placed in service September 25, 1927. A short line was also constructed between Welland station and a point on a 60,000-volt line from Niagara station. These two new lines permit power being supplied to Thorold and Welland by a new route in case trouble develops on the regular supply lines, thus increasing the reliability of service to the districts fed from these stations.

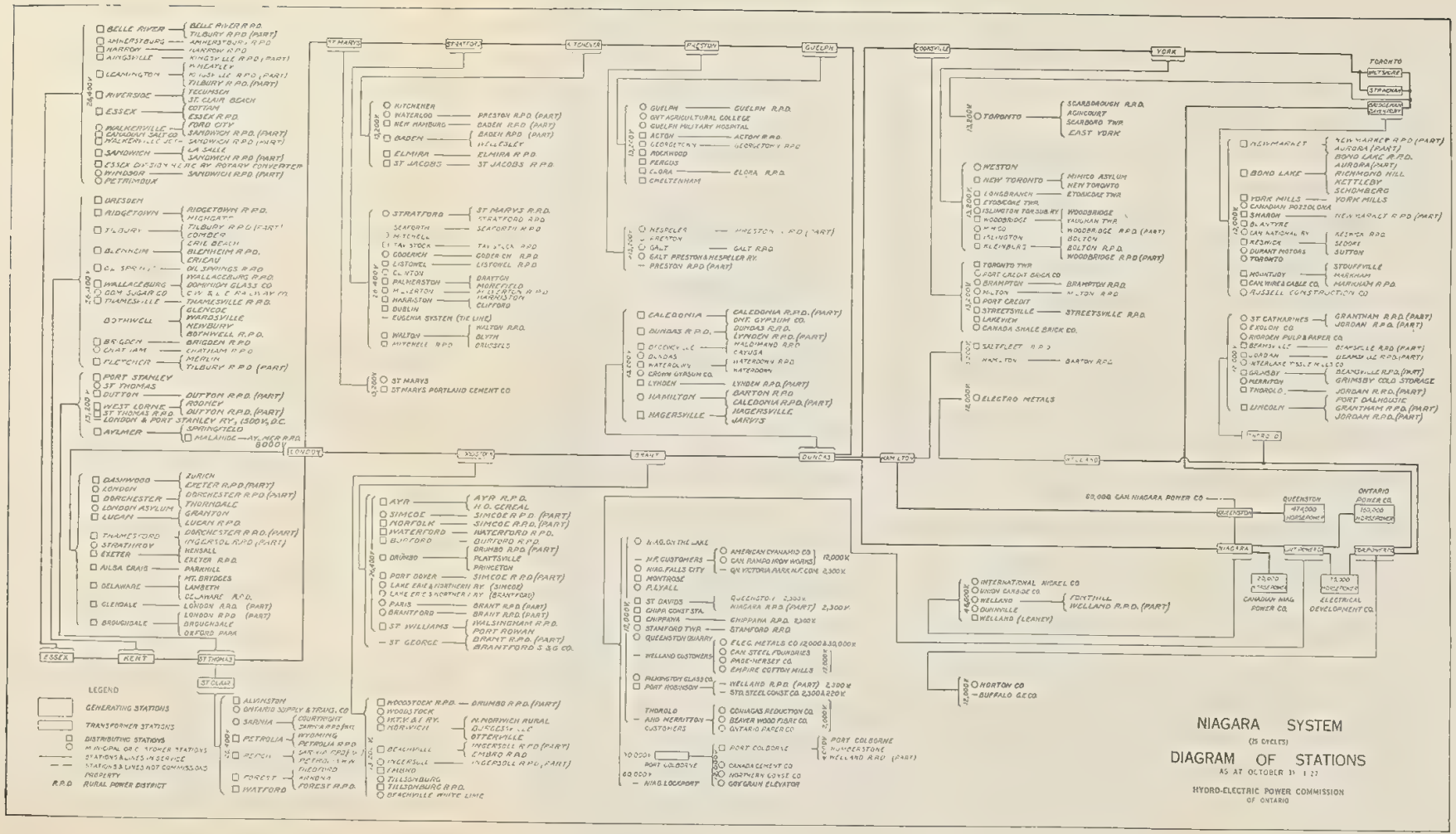
On the distribution lines the following were put into operation: a 26-400-volt circuit from Simcoe to St. William; a 26,400-volt circuit from Essex high-tension station to Windsor No. 2 substation; a 13,200-volt circuit from Dorchester to Thamesford; a 13,200-volt circuit from Beachville to Beachville White Lime Company; a 4,000-volt line from a point on the Forest-Thedford feeder to Arcona; a 4,000-volt line from St. William to Port Rowan, and another 4,000-volt line from Aylmer to Aylmer rural power district station. The 26,400-volt line from Cottam junction to Cottam was dismantled, and Cottam supplied from Essex distributing station at 4,000 volts.

A large amount of maintenance work was done on lines in Kent, Brant, Woodstock, Kitchener and Dundas districts. The iron conductor on the 26,400-volt section from Petrolia junction to Watford junction was replaced with No. 2 steel-reinforced aluminum cable. Two circuits of No. 2 aluminum from Kitchener to Baden and New Hamburg were replaced with one circuit of No. 1/0 steel-reinforced aluminum cable. The No. 2 aluminum circuit from Norwich junction to Norwich distribution station was replaced with No. 2 steel-reinforced aluminum cable. The No. 2 aluminum from Waterloo to Elmira was replaced with No. 1/0 steel-reinforced aluminum cable.

All line sections in the Woodstock district were reinsulated.

During the year a number of changes have been made in the capacity of high-tension stations and distributing stations due to growth of load, as follows:

Essex high-tension station	A new bank of three single-phase, 5,000-kv-a. transformers was installed	Dec. 19, 1926
Preston high-tension station	A new bank of three single-phase, 2,850-kv-a. transformers was installed	Oct. 23, 1927
St. Marys high-tension station	A new bank of three single-phase, 1,250-kv-a. transformers was installed	June 26, 1927
Burford distributing station	Three single-phase, 75-kv-a. transformers installed in place of one three-phase, 75-kv-a. transformer	Nov. 5, 1926
Toronto Township distributing station	Three single-phase, 250-kv-a. transformers installed in place of three single-phase, 50-kv-a. transformers	Nov. 5, 1926
Preston rural power distributing station	Three single-phase, 150-kv-a. transformers installed in place of three single-phase, 75-kv-a. transformers	Dec. 10, 1926
Brigden distributing station	One three-phase, 150-kv-a. transformer installed in place of one three-phase, 75-kv-a. transformer	Jan. 24, 1927
Waterford	Three single-phase, 150-kv-a. transformers installed in place of three single-phase, 75-kv-a. transformers	Feb. 13, 1927
Mount Joy	One three-phase, 150-kv-a. transformer installed in parallel with one existing three-phase, 150-kv-a. transformer	Feb. 2, 1927
Belle River	Three single-phase, 150-kv-a. transformers installed in place of one three-phase, 150-kv-a. transformer	Apr. 10, 1927


NIAGARA SYSTEM
(25 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31 1922
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
LEGEND
GENERATING STATIONS
TRANSFORMER STATIONS
DISTRIBUTING STATIONS
MUNICIPAL OR CUSTOMER STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSIONED
PROPERTY
R.P.D. RURAL POWER DISTRICT
BELLE RIVER
BELLE RIVER R.P.D.
TILBURY R.P.D. (PART)
AMHERSTBURG
AMHERSTBURG R.P.D.
HARROW
HARROW R.P.D.
KINGSVILLE
KINGSVILLE R.P.D. (PART)
LEAMINGTON
KINGSVILLE R.P.D. (PART)
TILBURY R.P.D. (PART)
RIVERSIDE
TECUMSEH
ST. CLAIR BEACH
ESSEX
COTTAM
ESSEX R.P.D.
FORD CITY
WALKERVILLE
SANDWICH R.P.D. (PART)
CANADIAN SALT CO.
WALKERVILLE JCT.
SANDWICH R.P.D. (PART)
SANDWICH
LA SALLE
SANDWICH R.P.D. (PART)
ESSEX DIVISION HEINE RY. ROTARY CONVERTER
WINDSOR
SANDWICH R.P.D. (PART)
PETRIMOUX
DRESDEN
RIDGETOWN
RIDGETOWN R.P.D.
HIGHGATE
TILBURY
TILBURY R.P.D. (PART)
COMBER
CRIE BEACH
BLENHEIM
BLENHEIM R.P.D.
CRIEAU
OIL SPRINGS
OIL SPRINGS R.P.D.
WALLACEBURG
WALLACEBURG R.P.D.
DOMINION GLASS CO.
DOM. SUGAR CO.
THAMESVILLE
THAMESVILLE R.P.D.
BOTHWELL
GLENCOE
WARDSVILLE
NEWBURY
BOTHWELL R.P.D.
BRIGDEN
BRIGDEN R.P.D.
CHATHAM
CHATHAM R.P.D.
FLETCHER
MERLIN
TILBURY R.P.D. (PART)
PORT STANLEY
ST. THOMAS
DUTTON
DUTTON R.P.D. (PART)
WEST LORNE
ROCHY
ST. THOMAS R.P.D.
DUTTON R.P.D. (PART)
LONDON & PORT STANLEY RY. (600V. D.C.)
AYLMER
SPRINGFIELD
MALAHIDE
AYLMER R.P.D.
8000V.
OAKWOOD
ZURICH
LONDON
EXETER R.P.D. (PART)
DORCHESTER
DORCHESTER R.P.D. (PART)
LONDON ASYLUM
THORNDALE
LUCAN
GRANTON
LUCAN R.P.D.
THAMESFORD
DORCHESTER R.P.D. (PART)
STRATHROY
INGERSOLL R.P.D. (PART)
EXETER
HENSALL
EXETER R.P.D.
ALISA CRAIG
PARKHILL
DELAWARE
MT. BRIDGES
LAMBETH
DELAWARE R.P.D.
GLENDALE
LONDON R.P.D. (PART)
BROUGHDALE
LONDON R.P.D. (PART)
BROUGHDALE
OXFORD PARK
ESSEX
KENT
ST. THOMAS
ST. CLAIR
ALVINSTON
ONTARIO SUPPLY & TRANS. CO.
SARNIA
COURTWRIGHT
SARNIA R.P.D. (PART)
PETROLIA
WYOMING
PETROLIA R.P.D.
BEECH
SARNIA R.P.D.
PETROLIA R.P.D.
FOREST
THEDFORD
ARNONA
FOREST R.P.D.
WATFORD
ST. MARYS
STRATFORD
KITCHENER
TORONTO
PRESTON
GUELPH
COOKSVILLE
YORK
TORONTO
ST. CLAIR
STRACHAN
DESLORIERS
CONVERT
KITCHENER
WATERLOO
PRESTON R.P.D. (PART)
NEW HAMBURG
BADEN
BADEN R.P.D. (PART)
BADEN
WILLESLEY
ELMIRA
ELMIRA R.P.D.
ST. JACOBS
ST. JACOBS R.P.D.
STRATFORD
ST. MARYS R.P.D.
STRATFORD R.P.D.
SEAFORTH
SEAFORTH R.P.D.
MITCHELL
TAVISTOCK
TAVISTOCK R.P.D.
GODERICH
GODERICH R.P.D.
LISTOWEL
LISTOWEL R.P.D.
CLINTON
PALMERSTON
DRAYTON
MILVERTON
MILVERTON R.P.D.
HARRISTON
HARRISTON
CLIFFORD
DUBLIN
EUGENIA SYSTEM (THE LINE)
WALTON
WALTON R.P.D.
BLYTH
MITCHELL R.P.D.
BRUSSELS
ST. MARYS
ST. MARYS PORTLAND CEMENT CO.
GUELPH
GUELPH R.P.D.
ONT. AGRICULTURAL COLLEGE
GUELPH MILITARY HOSPITAL
ACTON
ACTON R.P.D.
GEORGETOWN
GEORGETOWN R.P.D.
ROCKWOOD
FERGUS
ELORA
ELORA R.P.D.
CHELTENHAM
HESPELER
PRESTON R.P.D. (PART)
PRESTON
GALT
GALT R.P.D.
GALT PRESTON & HESPELER RY.
PRESTON R.P.D. (PART)
CALEDONIA
CALEDONIA R.P.D. (PART)
ONT. GYPSUM CO.
DUNDAS
DUNDAS R.P.D.
LYNDEN R.P.D. (PART)
HALDIMAND R.P.D.
DECEWSVILLE
CAYUGA
WATERDOWN
WATERDOWN R.P.D.
CROWN GYPSUM CO.
WATERDOWN
LYNDEN
LYNDEN R.P.D. (PART)
HAMILTON
BARTON R.P.D.
CALEDONIA R.P.D. (PART)
HAGERSVILLE
HAGERSVILLE
HARVIS
TORONTO
SCARBOROUGH R.P.D.
AGINCOURT
SCARBORO TWP.
EAST YORK
WESTON
NEW TORONTO
MIMICO ASYLUM
NEW TORONTO
LONGBRANCH
ETOBICOKE TWP.
ETOBICOKE TWP.
ISLINGTON
ISLINGTON TORSUB RY.
WOODBRIDGE
WOODBRIDGE
VAUGHAN TWP.
WOODBRIDGE R.P.D. (PART)
MIMICO
ISLINGTON
BOLTON
BOLTON R.P.D.
KLEINBURG
WOODBRIDGE R.P.D. (PART)
TORONTO TWP.
PORT CREDIT BRICK CO.
BRAMPTON
BRAMPTON R.P.D.
MILTON
MILTON R.P.D.
PORT CREDIT
STREETSVILLE
STREETSVILLE R.P.D.
LAKEVIEW
CANADA SHALE BRICK CO.
SALTFLEET R.P.D.
HAMILTON
BARTON R.P.D.
ELECTRO METALS
NEWMARKET
NEW MARKET R.P.D. (PART)
AURORA (PART)
BOND LAKE R.P.D.
AURORA (PART)
RICHMOND HILL
KETTLEBY
SCHOMBERG
BOND LAKE
YORK MILLS
YORK MILLS
CANADIAN POTASH CO.
SHARON
NEW MARKET R.P.D. (PART)
DE LAVITTE
CAN. NATIONAL RY.
KESWICK
KESWICK R.P.D.
DURANT MOTORS
SEDORE
SUTTON
TORONTO
MOUNTJOY
STOUFFVILLE
CAN. WIRE & CABLE CO.
MARKHAM
MARKHAM R.P.D.
RUSSELL CONSTRUCTION CO.
ST. CATHARINES
GRANTHAM R.P.D. (PART)
EXCELSIOR CO.
JORDAN R.P.D. (PART)
NIAGARA PULP & PAPER CO.
BEAMSVILLE
BEAMSVILLE R.P.D. (PART)
JORDAN
JORDAN R.P.D. (PART)
INTERLAKE TISSUE MILLS CO.
GRIMSBY
BEAMSVILLE R.P.D. (PART)
NEWBURY
GRIMSBY COLD STORAGE
THOROLD
JORDAN R.P.D. (PART)
LINCOLN
FORT DALHOUSIE
GRANTHAM R.P.D. (PART)
JORDAN R.P.D. (PART)
THOROLD
LONDON
ST. THOMAS
BRANT
DUNDAS
HAMILTON
WELLAND
60,000 CAN. NIAGARA POWER CO.
QUEENSTON
QUEENSTON
474,000
HORSEPOWER
ONTARIO POWER CO.
153,000
HORSEPOWER
NIAGARA
ST. DAVIDS
DECEWSVILLE
CANADIAN NIAGARA POWER CO.
23,000
HORSEPOWER
ELECTRICAL DEVELOPMENT CO.
73,200
HORSEPOWER
AYR
AYR R.P.D.
SIMCOE
SIMCOE R.P.D. (PART)
NORFOLK
SIMCOE R.P.D. (PART)
WATERFORD
WATERFORD R.P.D.
BURFORD
BURFORD R.P.D.
DRUMBO
DRUMBO R.P.D. (PART)
PLATTSVILLE
PRINCETON
PORT DOVER
SIMCOE R.P.D. (PART)
LAKE ERIE & NORTHERN RY. (SIMCOE)
LAKE ERIE & NORTHERN RY. (BRANTFORD)
PARIS
BRANT R.P.D. (PART)
BRANTFORD
BRANT R.P.D. (PART)
ST. WILLIAMS
WALSINGHAM R.P.D.
PORT ROWAN
ST. GEORGE
BRANT R.P.D. (PART)
BRANTFORD S. & G. CO.
WOODSTOCK
WOODSTOCK R.P.D.
DRUMBO R.P.D. (PART)
WOODSTOCK
N.T.W. & L. RY.
MORVICH
N. MORVICH RURAL
LINGESVILLE
OTTERVILLE
BEACHVILLE
INGERSOLL R.P.D. (PART)
INGERSOLL
EMBRO R.P.D.
EMBRO
INGERSOLL R.P.D. (PART)
TILLSONBURG
TILLSONBURG R.P.D.
BEACHVILLE WHITE LINE
N.A.G. OF THE LAKE
N.F. CUSTOMERS
AMERICAN CYANAMID CO.
CAN. RAMBO IRON WORKS
12,000K
NIAG. FALLS CITY
QN. VICTORIA PARK N.F. CONS.
2,300K
MONTROSE
R. LYALL
ST. DAVIDS
QUEENSTON
2,300K
NIAGARA R.P.D. (PART)
2,300K
CHIPPAWA
CHIPPAWA R.P.D.
2,300K
STAMFORD TWP.
STAMFORD R.P.D.
QUEENSTON QUARRY
ELEC. METALS CO.
12,000 & 30,000K
WELLAND CUSTOMERS
CAN. STEEL FOUNDRIES
PAGE-HERSEY CO.
EMPIRE COTTON MILLS
2,000K
ALMONDSTON GLASS CO.
PORT ROBINSON
WELLAND R.P.D. (PART)
2,300K
STD. STEEL CONST. CO.
2,300 & 220K
THOROLD
AND MERRITTON
CUSTOMERS
CONNAGAS REDUCTION CO.
BEAVER WOOD FIBRE CO.
ONTARIO PAPER CO.
2,000K
PORT COLBORNE
60,000K
PORT COLBORNE
PORT COLBORNE
CANADA CEMENT CO.
NORTHERN GOVE CO.
GOV. GRAIN ELEVATOR
NIAG. LOCKPORT
INTERNATIONAL NICKEL CO.
UNION CARBIDE CO.
WELLAND
DUNNVILLE
WELLAND (LEANEY)
FONTHILL
WELLAND R.P.D. (PART)
NORTON CO.
BUFFALO E.C. CO.

Woodstock rural power distributing station.	Three single-phase, 150-kv-a. transformers installed in place of three single-phase, 37½-kv-a. transformers..	May 15, 1927
Wallaceburg	Increased from 1,500-kv-a. to 3,000-kv-a.	June 24, 1927
Port Stanley	Three single-phase, 150-kv-a. transformers installed in place of three single-phase, 100-kv-a. transformers	July 19, 1927
Dresden	Three single-phase, 150-kv-a. transformers installed in place of three single-phase, 75-kv-a. transformers	Aug. 14, 1927
Delaware	Three single-phase, 100-kv-a. transformers installed in place of three single-phase, 75-kv-a. transformers	Aug. 21, 1927
Ridgetown	Three single-phase, 250-kv-a. transformers installed in place of three single-phase, 150-kv-a. transformers	Oct. 30, 1927
Sandwich	Increased from 3,000-kv-a. to 4,500-kv-a.	Oct. 26, 1927
Perch distributing station	Three single-phase, 30-kv-a., 4,000-volt transformers installed	Aug. 24, 1927
Cooksville transformer station	Increased service capacity from 15-kv-a. to 30-kv-a.	Mar. 2, 1927

New distributing stations have been placed in operation with transformer equipment, as follows:—

St. Williams distributing station	Three 75-kv-a. transformers	Dec. 19, 1926
Aylmer rural power distributing station	Three 37½-kv-a. transformers	Dec. 18, 1926
Leaside-Russell Construction Company	Three 150-kv-a. transformers	Feb. 10, 1927
Thamesford distributing station	Three 75-kv-a. transformers	Oct. 30, 1927

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Acton	437.0	492.0	490.0	2.0	.....
Agincourt	54.9	80.4	102.5	.....	22.1
Ailsa Craig	65.7	85.8	78.2	7.6	.....
Alvinston	117.4	103.2	91.1	12.1	.....
Amherstburg	319.0	405.6	465.0	.....	59.4
Ancaster township	268.1	272.1	277.0	.....	4.9
Aurora	545.6	577.7	651.0	.....	73.3
Aylmer	384.0	363.2	411.0	.....	47.8
Ayr	88.7	100.5	124.0	.....	23.5
Baden	314.2	288.2	297.6	.....	9.4
Barton township	551.5	540.2	526.8	13.4	.....
Beachville	370 0	450.9	201.0	249.9	.....
Belle River	77.7	100.5	121.3	.....	20.8
Blenheim	372.6	285.3	351.0	.....	65.7
Blyth	56.3	58.9	55.3	3.6	.....
Bolton	92.6	94.5	111.2	.....	16.7
Bothwell	150.1	164.5	185.6	.....	21.1
Brampton	1,282.8	1,598.1	1,654.5	.....	56.4
Brantford	8,400.1	9,085.1	8,838.8	246.3	.....
Brantford township	320.7	320.6	345.5	.....	24.9
Brigden	110.7	27.6	53.6	.....	26.0
Brussels	107.2	101.9	112.6	.....	10.7
Burford	81.7	96.1	116.6	.....	20.5
Burgessville	40.0	42.6	45.8	.....	3.2

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927—Continued

Municipality	Peak load in horsepower			Change in load, 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Caledonia	230.5	238.4	260.7	.....	22.3
Campbellville	19.0	16.3	20.1	.....	3.8
Cayuga	51.0	112.6	57.6	55.0	.....
Chatham	3,698.3	3,841.3	4,163.2	.....	321.9
Chippawa Village	241.6	293.6	266.7	26.9	.....
Clifford	34.3	40.2	39.9	0.3	.....
Clinton	337.8	331.1	354.0	.....	22.9
Comber	217.1	176.9	180.2	.....	3.3
Courtright	28.8	36.8	33.5	3.3	.....
Dashwood	57.6	65.0	71.6	.....	6.6
Delaware	17.7	20.3	24.4	.....	4.1
Dorchester	73.2	77.2	70.4	6.8	.....
Drayton	76.4	80.4	83.1	.....	2.7
Dresden	273.4	262.0	291.0	.....	29.0
Drumbo	44.9	42.9	54.4	.....	11.5
Dublin	37.0	42.9	56.5	.....	13.6
Dundas	1,206.4	1,256.0	1,329.7	.....	73.7
Dunnville	473.2	500.00	577.8	.....	77.8
Dutton	163.5	185.0	178.3	6.7	.....
Elmira	713.1	843.9	901.7	.....	57.8
Elora	343.1	226.5	386.0	.....	159.5
Embro	63.0	74.1	67.0	7.1	.....
Erieau	29.5	37.5	42.9	.....	5.4
Erie Beach	4.0	5.0	10.7	.....	5.7
Etobicoke township	1,519.5	1,866.5	2,045.5	.....	179.0
Exeter	313.6	366.5	384.7	.....	18.2
Essex	.....	233.2	311.0	.....	77.8
Fergus	359.2	408.8	519.0	.....	110.2
Ford City	2,031.0	2,690.4	3,029.5	.....	339.1
Forest	181.0	200.2	230.4	.....	30.2
Fonthill	.....	76.4	88.5	.....	12.1
Galt	5,290.0	5,730.8	6,498.4	.....	767.6
Georgetown	629.9	617.8	719.2	.....	101.4
Glencoe	121.4	125.4	135.7	.....	10.3
Goderich	993.3	942.3	935.8	6.5	.....
Granton	59.0	66.5	73.4	.....	6.9
Guelph	5,889.2	6,208.5	6,925.0	.....	716.5
Hagersville	864.6	811.0	1,039.0	.....	228.0
Hamilton	27,397.2	31,672.4	35,459.5	.....	3,787.1
Harriston	235.1	221.2	244.0	.....	22.8
Harrow	100.5	128.7	164.9	.....	36.2
Hensall	77.7	99.2	116.6	.....	17.4
Hespeler	729.2	911.5	970.5	.....	59.0
Highgate	107.2	119.3	108.5	10.8	.....
Humberstone	182.3	225.2	370.0	.....	144.8
Ingersoll	1,713.2	1,961.1	1,983.0	.....	21.9
Jarvis	133.2	137.7	141.5	.....	3.8
Kingsville	269.4	317.1	344.2	.....	27.1
Kitchener	11,353.0	11,969.5	13,340.0	.....	1,370.5
Lambeth	76.9	74.0	90.0	.....	16.0
Leamington	451.7	538.8	793.5	.....	254.7
Listowel	473.2	620.6	618.6	2.0	.....

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927—Continued

Municipality	Peak load in horsepower			Change in load, 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
London	19,113.6	22,317.0	23,539.0	.....	1,222.0
London township V.A.	116.0	162.8	174.0	.....	11.2
Lucan	163.5	170.2	172.4	.....	2.2
Lynden	134.0	135.4	123.3	12.1	.....
LaSalle	.....	101.1	156.8	.....	55.7
Louth township	15.0	25.0	16.0	9.0	.....
Markham	114.0	116.6	127.7	.....	11.1
Merlin	136.7	96.5	136.0	.....	39.5
Merritton	697.0	734.6	807.0	.....	72.4
Milton	1,013.9	1,021.7	960.6	61.1	.....
Milverton	395.4	501.3	537.5	.....	36.2
Mimico	1,421.0	1,561.7	1,680.0	.....	118.3
Mimico Asylum	37.5	37.5	65.0	.....	27.5
Mitchell	313.4	328.4	369.4	.....	41.0
Moorefield	45.0	49.6	49.2	0.4	.....
Mount Brydges	34.8	59.6	63.5	.....	3.9
Newbury	25.5	34.8	34.1	0.7	.....
New Hamburg	425.3	417.6	491.0	.....	73.4
Newmarket	631.3	675.6	737.0	.....	61.4
New Toronto	3,371.3	3,981.2	4,343.0	.....	361.8
Niagara Falls	6,914.2	7,821.2	8,013.4	.....	192.2
Niagara-on-the-Lake	316.3	370.6	437.0	.....	66.4
Norwich	256.0	236.6	306.3	.....	69.7
Oil Springs	221.2	243.9	268.1	.....	24.2
Ontario Agricultural College	252.0	269.4	295.0	.....	25.6
Ontario Central Reformatory	231.2	213.0	230.5	.....	17.5
Otterville	60.3	90.5	72.3	18.2	.....
Palmerston	321.7	374.0	420.9	.....	46.9
Paris	1,217.5	1,224.5	1,216 0	8.5	.....
Parkhill	104.5	116.6	130.0	.....	13.4
Petrolia	785.5	790.6	694.1	96.5	.....
Plattsville	32.0	49.6	37.5	12.1	.....
Point Edward	568.3	565.7	233.7	332.0	.....
Port Colborne	1,116.0	1,174.3	1,199.8	.....	25.5
Port Credit	349.2	359.2	401.0	.....	41.8
Port Dalhousie	234.6	265.4	284.2	.....	18.8
Port Dover	233.5	214.5	236.0	.....	21.5
Port Stanley	128.7	160.8	171.6	.....	10.8
Preston	2,576.4	2,788.2	3,013.0	.....	224.8
Princeton	30.1	35.8	35.5	0.3	.....
Queenston	76.4	87.1	80.4	6.7	.....
Richmond Hill	128.0	183.0	195.7	.....	12.7
Ridgetown	347.8	340.5	363.0	.....	22.5
Riverside	530.8	911.5	1,181.0	.....	269.5
Rockwood	57.6	67.0	65.0	2.0	.....
Rodney	101.3	94.2	121.7	.....	27.5
St. Catharines	6,273.8	7,335.0	7,718.4	.....	383.4
St. Clair Beach	53.6	72.4	62.3	10.1	.....
St. George	80.4	87.8	112.6	.....	24.8
St. Jacobs	121.0	145.6	159.0	.....	13.4
St. Marys	1,246.6	1,169.6	1,383.0	.....	213.4
St. Thomas	4,030.0	4,609.2	4,903.6	.....	294.4
Sarnia	4,721.8	5,148.8	5,328.6	.....	179.8
Sandwich	2,210.3	2,951.2	3,308.3	.....	357.1

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927—Continued

Municipality	Peak load in horsepower			Change in load, 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Scarboro township	1,423.2	1,585.0	1,958.6	.....	373.6
Seaforth	425.0	454.4	454.0	0.4	.....
Simcoe	760.0	791.6	883.0	.....	91.4
Springfield	95.1	102.5	72.4	30.1	.....
Stamford township	803.6	1,134.0	1,201.7	.....	67.7
Stouffville	95.2	96.9	100.5	.....	3.6
Stratford	5,262.0	6,454.3	6,809.6	.....	355.3
Strathroy	632.7	733.2	760.6	.....	27.4
Sutton	101.3	85.8	96.5	.....	10.7
Tavistock	333.8	391.4	409.1	.....	17.7
Tecumseh	163.5	238.6	259.8	.....	21.2
Thamesford	115.3	128.7	115.3	13.4	.....
Thamesville	127.3	145.6	162.7	.....	17.1
Thedford	44 2	58.4	52.3	6.1	.....
Thorndale	55.0	51.4	42.5	8.9	.....
Thorold	803.7	885.4	1,255.4	.....	370.0
Tilbury	357.9	352.5	421.0	.....	68.5
Tillsonburg	589.1	690.3	741.0	.....	50.7
Toronto	179,405.0	195,759.0	216,588.0	.....	20,829.0
Toronto township	784.1	911.4	1,057.6	.....	146.2
Walkerville	3,607.2	4,616.5	4,839.0	.....	222.5
Wallaceburg	1,010.7	1,701.1	3,185.0	.....	1,483.9
Wardsville	16.9	27.2	22.5	4.7	.....
Waterdown	216.2	157.2	186.0	.....	28.8
Waterford	303.7	319.0	315.8	3.2	.....
Waterloo	2,383.3	2,681.0	2,681.0	.....	.....
Watford	119.3	148.1	166.0	.....	17.9
Welland	2,331.1	2,943.7	3,265.4	.....	321.7
Wellesley	120.6	122.5	128.5	.....	6.0
West Lorne	296.0	332.4	328.0	4.4	.....
Weston	2,030.8	2,320.7	2,160.5	160.2	.....
Wheatley	68.3	88.4	104.5	.....	16.1
Windsor	18,461.3	22,986.1	23,970.2	.....	984.1
Woodbridge	223.4	136.9	222.0	.....	85.1
Woodstock	3,534.8	3,765.4	4,155.0	.....	389.6
Wyoming	45.5	53.0	48.2	4.8	.....
York, East, township	2,709.0	2,848.5	2,889.0	.....	40.5
York, North, township	455.1	603.3	930.2	.....	326.9
Zurich	101.9	95.8	69.0	26.8	.....

In some instances the decreases shown are due entirely or in part to transference of load from a municipality to a newly-established rural power district.

NIAGARA SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1927	Decrease	Increase
Arkona	Dec. 1, 1926	36.4	52.9	.....	16.5
Cottam	Nov. 1, 1926	32.8	43.5	.....	10.7
Port Rowan	Nov. 26, 1926	4.0	52.2	.....	48.2

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927

Rural power district	Peak load in horsepower		Change in load 1926-1927	
	Oct., 1926	Oct., 1927	Decrease	Increase
Amherstburg	405.6	370.4	35.2	.....
Aylmer	31.9	139.9	.....	108.0
Ayr	8.0	8.0	.....	.....
Baden	53.7	115.7	.....	62.0
Barton	35.5	46.0	.....	10.5
Beamsville	396.8	483.9	.....	87.1
Belle River	108.6	163.3	.....	54.7
Blenheim	21 0	52.5	.....	31.5
Bolton	2.0	11.0	.....	9.0
Bond Lake	284.2	500.0	.....	215.8
Bothwell	5.4	13.5	.....	8.1
Brampton	10.5	10.5	.....	.....
Brant	108.5	164.4	.....	55.9
Caledonia	11.4	23.3	.....	11.9
Chatham	106.4	115.8	.....	9.4
Chippawa	87.1	76.4	10.7	.....
Delaware	82.3	110.1	.....	27.8
Dorchester	163.7	259.2	.....	95.5
Drumbo	13.4	47.2	.....	33.8
Dundas	209.1	306.0	.....	96.9
Dutton	10.4	12.7	.....	2.3
Elora	174.2	24.9	149.3	.....
Elmira	22.1	16.3	5.8	.....
Essex	69.7	95.8	.....	26.1
Exeter	71.5	153.1	.....	81.6
Galt	65.0	78.2	.....	13.2
Georgetown	9.5	35.5	.....	26.0
Goderich	33.5	45.2	.....	11.7
Grantham	294.2	354.8	.....	60.6
Guelph	57.9	45.5	12.4	.....
Haldimand	10.0	10.5	.....	0.5
Harrow	33.5	172.2	.....	138.7
Ingersoll	4.0	6.0	.....	2.0
Jordan	24.7	24.1	0.6	.....
Keswick	109.6	187.6	.....	78.0
Kingsville from Kingsville	97.3	184.3	.....	87.0
Kingsville from Leamington	135.7	206.5	.....	70.8
London	619.2	765.8	.....	146.6
Lucan	22.8	32.2	.....	9.4
Lynden	48.2	76.8	.....	28.6
Markham	71.0	114.9	.....	43.9
Milton	7.0	41.5	.....	34.5
Mitchell	60.3	83.8	.....	23.5
Newmarket	111.6	151.3	.....	39.7
Niagara	403.7	519.6	.....	115.9
Norwich	187.6	158.0	29.6	.....
Oil Springs	28.1	37.5	.....	9.4
Petrolia	1.6	1.6	.....	.....
Preston	322.7	442.6	.....	119.9
Ridgetown	97.8	109.9	.....	12.1

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927—Continued

Rural power district	Peak load in horsepower		Change in load 1926-1927	
	Oct., 1926	Oct., 1927	Decrease	Increase
Saltfleet	291.5	442.0	.....	150.5
Sandwich	561.6	725.6	.....	164.0
Sarnia	226.5	315.0	.....	88.5
Scarboro township	15.0	66.2	.....	51.2
Stratford	96.5	147.4	.....	50.9
St. Jacobs	108.2	192.0	.....	83.8
St. Thomas	219.1	266.8	.....	47.7
Simcoe	50.7	85.4	.....	34.7
Stamford	67.0	95.8	.....	28.8
Streetsville	2.5	70.1	.....	67.6
Tavistock	34.3	44.9	.....	10.6
Tilbury	14.0	21.2	.....	7.2
Tillsonburg	145.0	186.3	.....	41.3
Wallaceburg	102.9	105.9	.....	3.0
Walton	11.4	24.2	.....	12.8
Waterford	21.4	69.7	.....	48.3
Waterdown	180.6	197.3	.....	16.7
Welland	606.0	717.2	.....	111.2
Woodbridge	177.5	278.3	.....	100.8
Woodstock	229.2	331.0	.....	101.8

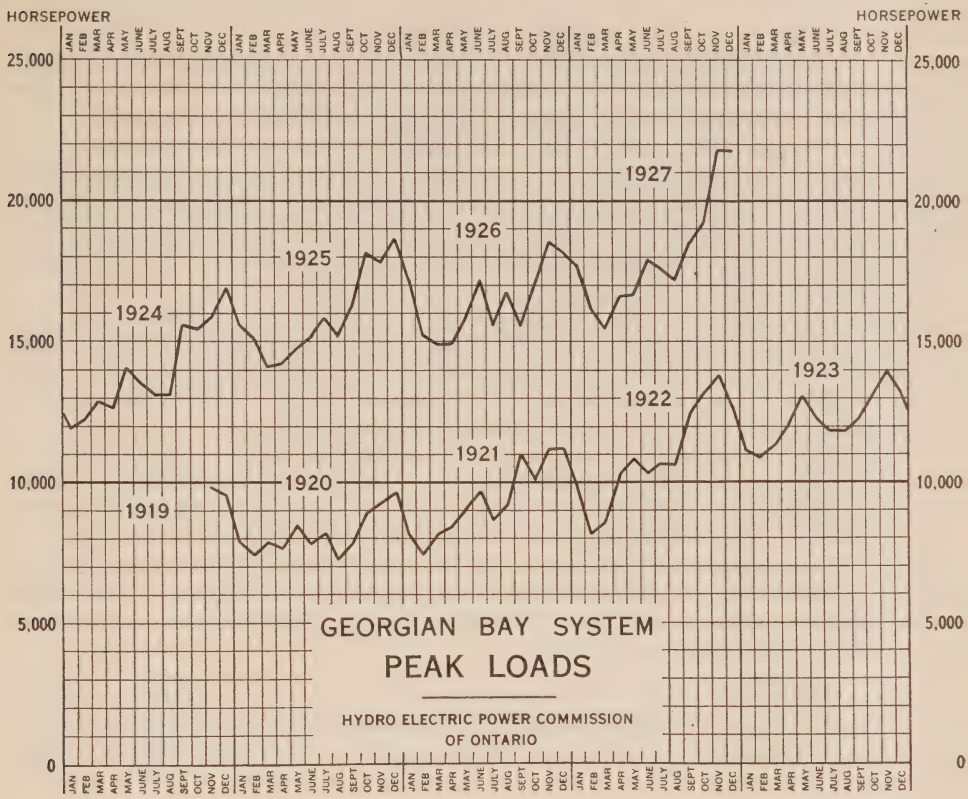
NIAGARA SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1927	Decrease	Increase
Brigden	Jan. 25, 1927	10.7	8.8	1.9	.....
Burford	Jan. 1, 1927	14.5	68.3	.....	53.8
Forest	Dec. 1, 1927	0.8	2.7	.....	1.9
Listowel	Nov. 1, 1926	48.0	43.5	4.5	.....
Milverton	Aug. 9, 1927	17.5	25.7	.....	8.2
Strathroy	Jan. 1, 1927	16.0	16.4	.....	0.4
Walsingham	Dec. 1, 1927	2.5	63.5	.....	61.0

GEORGIAN BAY SYSTEM

For the greater part of the past year there has been an increase in load over the corresponding months of 1926, and in the months of August, September and October this was large, due to increases in industrial loads, and to various industries operating that were not in operation in 1926.

There was plenty of water during the fall of 1926 and the spring and summer of 1927, but owing to a dry September and October, combined with high average loads, the water storage was drawn down considerably, and in order to conserve



NOTE:—The Georgian Bay system includes the Severn, Eugenia, Wasdells and Muskoka divisions. In the diagram the load for the Muskoka division is not included until November, 1924. Details respecting this load for preceding years are given in earlier Annual Reports.

the water in the Eugenia storage basin, the Mount Forest frequency changer was started about the middle of September to supply power to the Eugenia division from the Niagara system.

The plants on the Georgian Bay stem, with the aid of the Mount Forest frequency changer set, have been able to meet the increasing demands on this system, but probably will be taxed to full capacity in the fall and winter of 1927-28. These plants have continued to operate in parallel with the Swift Rapids plant of the Orillia Water, Light and Power Commission as in past years, with very beneficial results to the service to the various municipalities.

The storage created on the Muskoka division has been of great assistance this year in meeting the demands on the system, as the South Falls and Hanna Chute plants have been able to operate at exceptionally high load factors, especially in the late summer and fall of 1927, conserving water in the Eugenia storage basin, and offsetting the reduced generating capacity at Big Chute plant which was caused by decreased flow in the Severn river, following the dry months of September and October.

A grounded sky cable was erected in June throughout the length of the tie line between South Falls generating station and Waubaushene for the purpose of reducing as far as possible interruptions due to lightning.

Severn Division

The demand for power on this division has shown a marked increase, throughout the greater part of the year, both on peak and average loads. The months of August, September and October, in particular, have shown heavy increases, the average load increasing by about thirty per cent over the average load for the corresponding months of the preceding year. This is accounted for, to a great extent, by the usual yearly increment in the industrial loads and by the resumption of operations by certain industries which were not in continuous operation throughout the previous year.

An extensive program of line maintenance was carried out during 1927 on the Severn Division lines, including the testing of insulators, pins and cross-arms, stubbing of poles, the treatment of pole butts with wood preservative to arrest decay, and checking and adjusting line-conductor sags.

The testing of insulators was carried out by the live-line testing equipment which was used in the previous year, and defective insulators, pins and crossarms were replaced. On a large number of the line sections of this division, the poles were uncovered at the ground line, the decayed wood removed and the pole treated with a wood preservative which was applied with a spray. This treatment for the prevention of decay has been found effective from experiments carried out over the past seven years.

New swivel-type, air-break line sectionalizing-switches have been installed on the line at Barrie, Camp Borden tap, Coldwater tap, Stayner tap and Elmvale tap, also on main line at Junctions 57 and 60 to replace line switches which had served their useful life, and were no longer satisfactory.

An additional 25-kv-a. transformer was installed at Waubaushene distributing station to provide station capacity to meet the demands due to increase in the power load.

Three 100-kv-a. transformers were removed from Walkerton Quarry substation and installed at Bradford station, replacing the three-phase 150-kv-a. transformer, due to the additional power supply required for the reclamation scheme at Holland River marsh.

Initial service was supplied to the new Simcoe elevator located at Midland over a double-circuit 22,000-volt line connected to the main lines between Midland Fourth Street and Penetang stations.

The usual turbine inspection and maintenance work was carried out at the Big Chute plant, and No. 2 exciter turbine was given a general overhauling.

One of the two auto-transformers located at Waubaushene and forming the connecting link between the 40,000-volt Muskoka tie line and the Severn 22,000-volt lines, failed in service, but was repaired and put back into operation.

A wire fence was erected around the out-door transformer and 22,000-volt arrester equipment at Penetang station as an additional protection to the general public, owing to the proximity of this equipment to a public thoroughfare.

Due to the anticipated increase in demand and to the service required, the 22,000-volt lines between Waubaushene, Midland and Penetang were given special maintenance attention again this year.

Graphic voltmeter equipment was installed at Midland and Barrie stations to assist in the general voltage regulation scheme on the division.

Eugenia Division

The peak and average loads have shown a normal increase on this division.

The usual maintenance work on transmission lines was carried out on this division, such as straightening poles, tightening guys, etc., and also an extensive program of insulator testing. Tests of pole pins and arms were made, and pole butts were treated with preservative. Defective insulators, pins and arms were replaced on the sections tested, and poles which showed signs of weakness were stubbed. Some work was also done in checking and adjusting line sags.

The fences along the roadway on the eighth concession, where it crosses the Eugenia storage basin, were repaired or rebuilt where necessary, and arrangements made in connection with the complete rebuilding of the fences.

A concrete envelope has been placed around the No. 2 pipe line for a considerable distance down from the headworks, where the line passes through a deep earth cut, and also near the surge tank. This will protect the pipe line from the sloughing-in of earth and rock, which has taken place formerly, and will arrest decay of the wood staves, reducing maintenance costs to a minimum.

A great deal of maintenance work was carried out on the turbines and hydraulic equipment at the Eugenia plant to prepare for the anticipated heavy demands on this plant.

Wasdells Division

There has been a decided increase in the loads on the Wasdells division over the previous year. The peak loads for the various months have increased approximately twenty per cent. over the corresponding months of 1926, and the average loads show an increase of approximately fifteen per cent. over the 1926 average loads.

Practically the same program of line maintenance was carried out on the Wasdells division as was done on the Severn division. The insulators, pins and crossarms on older portions of the 22,000-volt lines of the Wasdells division were tested, and defective insulators, pins, crossarms and hardware replaced. A large number of poles which appeared weak at the ground line were stubbed, and the balance of the poles in older sections were treated with a preservative to prevent further decay at the ground line.

Due to the defective and weakened condition of some of the timbers in the headgates at the Wasdells plant, new timbers were supplied to replace the defects and the four gates were rebuilt. During the rebuilding of the gates the timbers were treated for the purpose of arresting decay.

To meet the anticipated increase in demands for power on this division, the turbine pits were unwatered and the turbines were adjusted where necessary. Certain further adjustments in No. 1 turbine were left until lighter load periods occur in the summer of 1928.

Due to the failure of the generator shaft of No. 2 unit, a new shaft of stronger design, and with the required new ball thrust bearing, was installed. This new shaft is similar to the shaft and bearing installed in No. 1 generator in 1922.

The timber floor or apron erected in one of the sluiceways of the dam, which is used to assist in log-driving operations and as a protection to the dams, had become defective and was rebuilt, using a different design which affords better protection to the dam and reduces the waste of water when it is necessary to run logs during periods of low flow in the river.

A graphic voltmeter equipment was installed at Cannington station to assist in the general voltage regulation on the system, after several investigations had been made on the Wasdells division.

Voltage regulators were installed at Uxbridge and Port Perry to improve voltage conditions in these municipalities.

Muskoka Division

The peaks on the Muskoka division for the present year are slightly lower than the peaks of the previous year, while the average loads are approximately the same as in 1926.

All the poles on the line from South Falls generating station to Huntsville were uncovered at the ground line, the decayed part cut away, and the pole treated with wood preservative to prevent further defects of this nature. Certain poles, which were reduced by decay to the point where they were in danger of breaking off, were cut off and reset where feasible, and in other cases the poles were stubbed. A number of the insulators on this line were tested with the live-line testing equipment and were found in good condition. Broken insulators were replaced. All crossarms and pins were examined, and those defective were replaced.

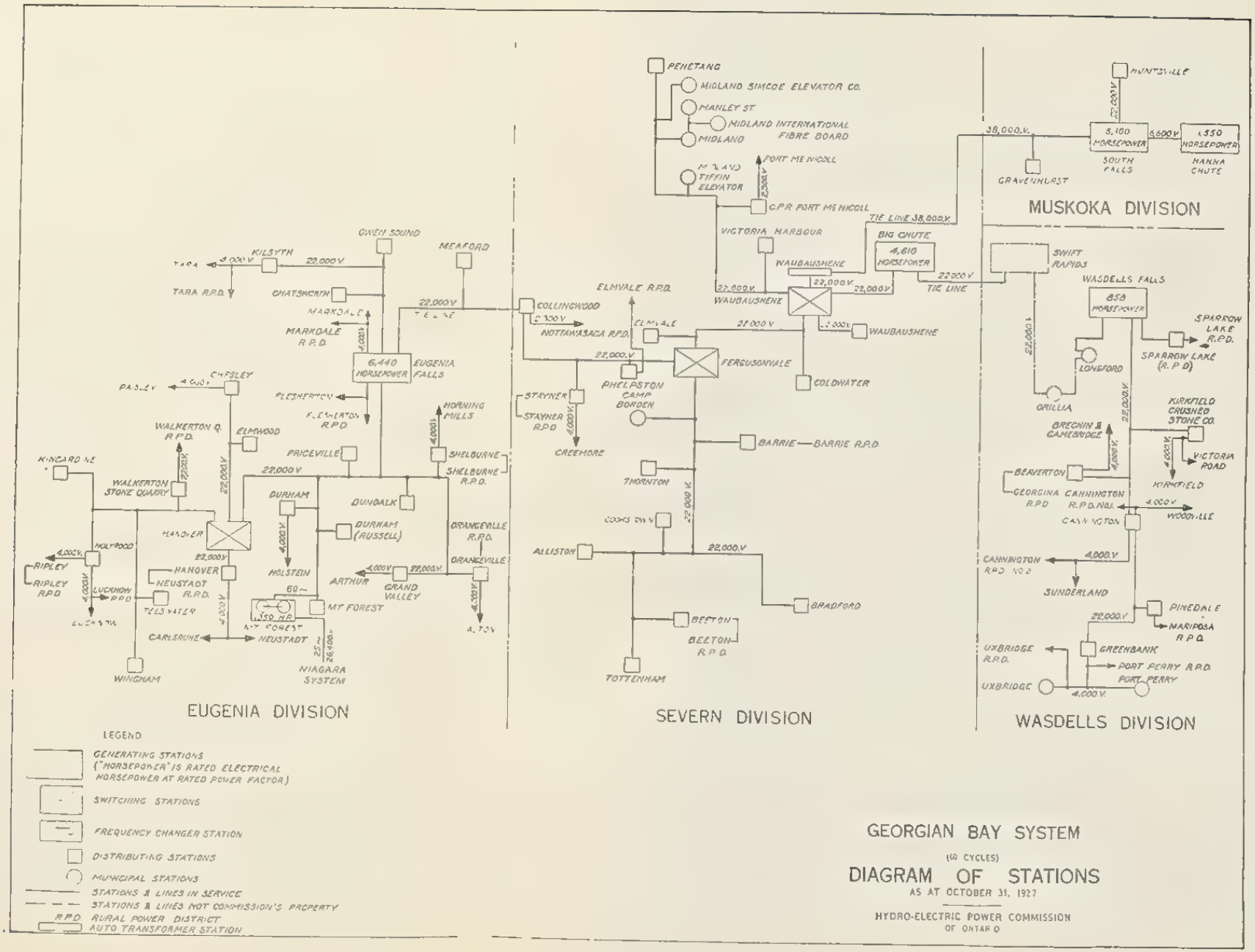
To facilitate maintenance work and repairs, a power-driven drill-press and a grinder, with necessary motor and shafting, were installed in the basement at the South Falls plant. Provision was made for the installation of further machine tools when necessary.

The operation of the semi-automatic remote-control plant at Hanna Chute was entirely successful, and its capacity was of considerable assistance throughout the year in supplying the load on the Georgian Bay system.

The South Falls and Hanna Chute plants, on account of a favourable supply of water on the Muskoka watershed, supplied energy to the balance of the Georgian Bay system at high load factors for long periods to help meet the increased load.

Considerable maintenance work was carried out to improve the outside storeroom accommodation for maintenance stores, tools and tackle at both the plants.

The regular operation and maintenance work in connection with the conservation and control of storage water for power plant operation was carried out on a number of lakes on the upper part of the watershed.


EUGENIA DIVISION
SEVERN DIVISION
WASDELLS DIVISION
MUSKOKA DIVISION
GEORGIAN BAY SYSTEM
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1927
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
SWITCHING STATIONS
FREQUENCY CHANGER STATION
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
R.P.D. RURAL POWER DISTRICT
AUTO TRANSFORMER STATION
PENETANG
MIDLAND SIMCOE ELEVATOR CO.
MANLEY ST.
MIDLAND INTERNATIONAL FIBRE BOARD
MIDLAND
MIDLAND TIFFIN ELEVATOR
PORT MENICOLL
C.P.R. PORT MENICOLL
VICTORIA HARBOUR
WAUBAUSHENE
BIG CHUTE
4,610 HORSEPOWER
TIE LINE 38,000 V.
TIE LINE
HUNTSVILLE
5,100 HORSEPOWER
SOUTH FALLS
1,550 HORSEPOWER
HANNA CHUTE
GRAVENHURST
SWIFT RAPIDS
WASDELLS FALLS
858 HORSEPOWER
SPARROW LAKE R.P.D.
SPARROW LAKE (R.P.D.)
LONEFORD
ORILLIA
KIRKFIELD CRUSHED STONE CO.
VICTORIA ROAD
KIRKFIELD
BRECHIN & CAMBRIDGE
BEAVERTON
GEORGINA R.P.D.
CANNINGTON R.P.D. NO.1
CANNINGTON
WOODVILLE
CANNINGTON R.P.D. NO.2
SUNDERLAND
PINEDALE
MARIPOSA R.P.D.
GREENBANK
UXBRIDGE R.P.D.
PORT PERRY R.P.D.
PORT PERRY
UXBRIDGE
ELMVALE R.P.D.
ELMVALE
COLLINGWOOD
NOTTAWASAGA R.P.D.
FERGUSONVALE
COLDWATER
PHELPSTON CAMP BORDEN
STAYNER
STAYNER R.P.D.
CREEMORE
BARRIE — BARRIE R.P.D.
THORNTON
COOKS DIV.
ALLISTON
BRADFORD
BEETON
BEETON R.P.D.
TOTTENHAM
OWEN SOUND
MEAFORD
KILSYTH
TARA
TARA R.P.D.
CHATSWORTH
MARKDALE
MARKDALE R.P.D.
6,440 HORSEPOWER
EUGENIA FALLS
CHESLEY
PAISLEY
FLESHERTON
FLESHERTON R.P.D.
HORNING MILLS
WALKERTON Q. R.P.D.
ELMWOOD
PRICEVILLE
SHELBURNE
SHELBURNE R.P.D.
KINCARDINE
WALKERTON STONE QUARRY
DURHAM
DUNDALK
DURHAM (RUSSELL)
ORANGEVILLE R.P.D.
ORANGEVILLE
HANOVER
HOLYWOOD
RIPLEY
RIPLEY R.P.D.
LUCKNOW R.P.D.
LUCKNOW
HANOVER
NEUSTADT R.P.D.
TEESWATER
HOLSTEIN
ARTHUR
GRAND VALLEY
MT. FOREST
1,350 HP
MT. FOREST
ALTON
CARLSRUHE
NEUSTADT
NIAGARA SYSTEM
WINGHAM
22,000 V.
4,000 V.
38,000 V.
2,300 V.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

Municipality	Peak load in horsepower			Change in load 1925-1926	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
SEVERN DIVISION					
Alliston	159.5	158.6	175.6	.....	17.0
Barrie	1,510.1	1,612.1	1,739.9	.....	127.8
Beeton	116.6	111.2	113.9	.....	2.7
Bradford	133.3	138.0	215.8	.....	77.8
Camp Borden	171.6	191.7	181.0	10.7	.....
Coldwater	95.1	98.4	89.8	8.6	.....
Collingwood	1,265.4	1,179.0	1,174.5	4.5	.....
Cookstown	46.9	50.4	49.6	0.8	.....
Creemore	85.8	95.8	92.5	3.3	.....
Elmvale	140.2	133.6	175.8	.....	42.2
Midland	4,291.0	3,572.4	4,928.1	.....	1,355.7
Penetang	521.4	553.3	556.3	.....	3.0
Port McNicoll	71.7	70.6	77.1	.....	6.5
Stayner	102.7	109.9	123.8	.....	13.9
Thornton	26.8	28.1	23.6	4.5	.....
Tottenham	50.4	50.1	54.4	.....	4.3
Victoria Harbour	69.7	67.7	74.4	.....	6.7
Waubaushene	37.9	36.2	39.5	.....	3.3
EUGENIA DIVISION					
Arthur	142.0	101.0	99.2	1.8	.....
Carlsruhe and Neustadt	103.2	66.3	64.9	1.4	.....
Chatsworth	42.9	37.5	42.9	.....	5.4
Chesley	355.2	351.2	382.0	.....	30.8
Dundalk	129.0	122.0	109.8	12.2	.....
Durham	589.8	542.0	540.9	1.1	.....
Elmwood	43.3	49.0	46.2	2.8	.....
Flesherton	60.7	65.1	67.9	.....	2.8
Grand Valley	90.2	80.4	76.4	4.0	.....
Hanover	709.1	765.4	831.0	.....	65.6
Holstein	14.4	10.0	11.0	.....	1.0
Hornings Mills	5.0	5.0	8.0	.....	3.0
Kincardine	238.6	276.1	265.4	10.7	.....
Lucknow	117.4	117.3	141.3	.....	24.0
Markdale	106.8	107.6	121.5	.....	13.9
Meaford	237.2	269.4	351.0	.....	81.6
Mount Forest	263.2	268.9	268.9	.....	.....
Orangeville	316.9	337.8	386.1	.....	48.3
Owen Sound	1,831.1	1,990.6	2,405.0	.....	414.4
Paisley	79.0	80.4	98.4	.....	18.0
Priceville	12.0	12.7	12.0	0.7	.....
Ripley	46.9	51.0	50.4	0.6	.....
Shelburne	264.7	238.9	218.4	20.5	.....
Tara	51.0	53.6	62.3	.....	8.7
Teeswater	148.8	136.2	154.0	.....	17.8
Wingham	270.8	281.5	321.7	.....	40.2

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927—Continued

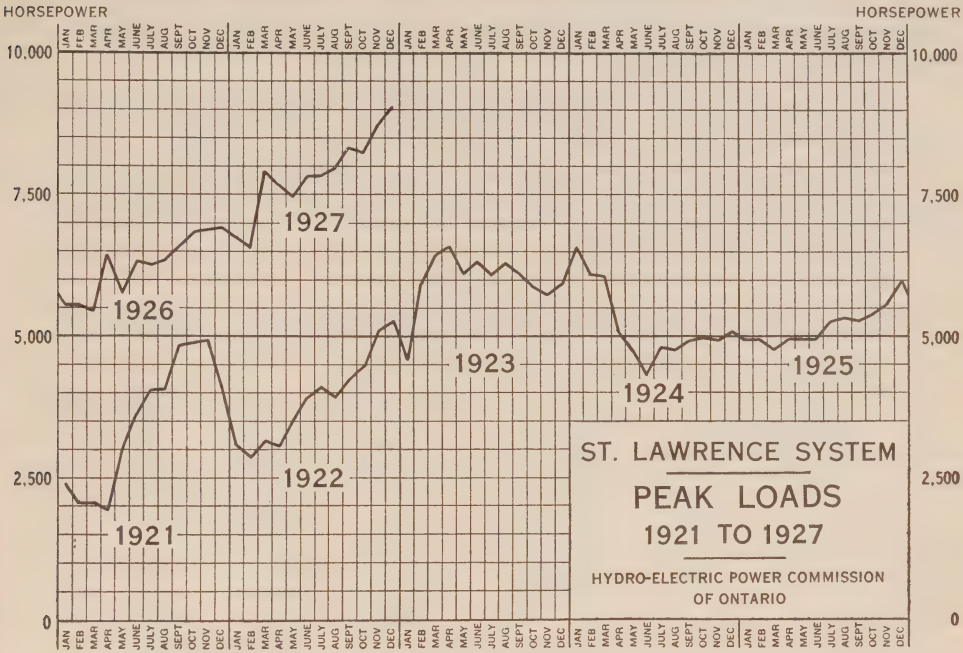
Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
WASDELLS DIVISION					
Beaverton	148.8	175.3	165.7	9.6	.....
Brechin	48.2	54.1	52.3	1.8	.....
Cannington	106.7	125.4	123.3	2.1	.....
Kirkfield	23.3	21.0	22.1	.....	1.1
Port Perry	113.9	142.9	167.9	.....	25.0
Sunderland	51.6	49.6	54.3	.....	4.7
Uxbridge	110.5	140.7	155.5	.....	14.8
Victoria Rd	8.8	11.6	10.7	0.9	.....
Woodville	50.0	57.4	54.0	3.4	.....
MUSKOKA DIVISION					
Gravenhurst	389.5	398.6	422.0	.....	23.4
Huntsville	1,000.0	1,120.6	1,140.0	.....	19.4

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927

Rural power district	Peak load in horsepower		Change in load 1926-1927	
	Oct., 1926	Oct., 1927	Decrease	Increase
SEVERN DIVISION				
Barrie	16.7	28.1	.....	11.4
Elmvale	8.5	14.7	.....	6.2
Nottawasaga	20.7	25.5	.....	4.8
Stayner	20.1	26.8	.....	6.7
EUGENIA DIVISION				
Flesherton	4.0	4.1	.....	0.1
Markdale	5.0	0.5	4.5	.....
Shelburne	2.3	3.3	.....	1.0
Tara	0.75	0.75	.....	.....
Walkerton	1.0	1.5	.....	0.5
WASDELLS DIVISION				
Cannington No. 1	17.0	13.0	4.0	.....
Cannington No. 2	21.4	23.4	.....	2.0
Georgina	22.5	34.0	.....	11.5
Mariposa	59.0	67.0	.....	8.0
Port Perry	6.0	13.0	.....	7.0
Sparrow Lake	31.5	41.5	.....	10.0
Uxbridge	5.0	6.0	.....	1.0

GEORGIAN BAY SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1927	Decrease	Increase
Orangeville	Aug. 5, 1927	5.9	17.4	.....	11.5



ST. LAWRENCE SYSTEM

During the past fiscal year the load on the St. Lawrence system increased very rapidly; in fact, in the early part of the year it was observed that the system supply would have to be augmented to meet the increasing demand. Accordingly arrangements were made with the Cedars Rapids Transmission Company to increase the power contract to the extent of 1,200 additional horsepower. From a survey of the load, the industrial customers are largely responsible for the increase. The municipalities and rural power districts, however, have practically all shown a slight increase over the previous year.

An interruption of prolonged duration was experienced during the month of April due to the failure of the power supply from the Cedars Rapids Transmission Company's lines. Other interruptions, but only of short duration, were also experienced during the months of January, February and October.

Owing to the low voltage received from the Cedars Rapids Transmission Company, it was found necessary to increase the secondary voltage at Cornwall station by making tap changes in the main transformer bank. Changes were also made at other points, which greatly improved conditions.

A booster transformer was connected in the 4,000-volt rural feeder supplying power to Morewood and Russell, thereby improving voltage in both these districts.

Extensive line maintenance work was carried out on several sections of the 44,000-volt lines in replacing defective pin-type insulators. All strain positions

on the 44,000-volt line extending from Cornwall to Alexandria were reinsulated with an improved type of strain insulator. Poles were stubbed, crossarms and pins replaced, and trees trimmed where necessary.

At Cornwall transformer station, a graphic frequency meter was installed which will enable a closer check to be kept on the power supply.

The appearance of the Cornwall station and site was improved by painting the interior walls and floors of the substation; by painting the cottages, and by clearing and levelling the land.

ST. LAWRENCE SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

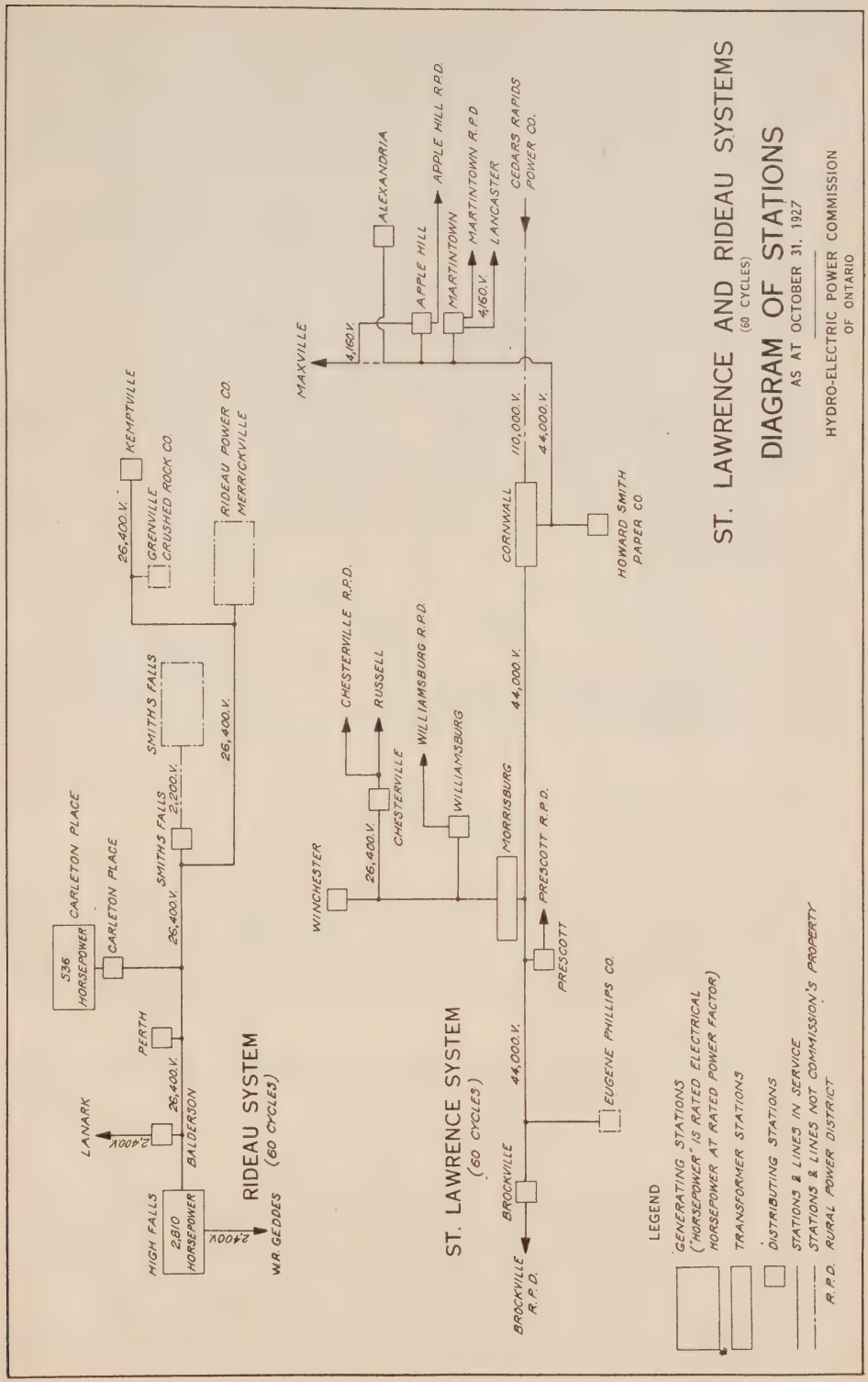
Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Alexandria	299.6	229.2	248.0	.....	18.8
Apple Hill	30.0	28.8	30.8	.....	2.0
Brockville	1,295.4	1,398.6	1,428.0	.....	29.4
Chesterville	206.4	241.3	268.6	.....	27.3
Lancaster	25.3	26.6	25.1	1.5	.....
Martintown	14.7	19.5	18.1	1.4	.....
Maxville	40.2	52.2	48.0	4.2	.....
Prescott	403.2	427.6	505.6	.....	78.0
Russell	19.6	67.0	38.9	28.1	.....
Williamsburg	26.2	27.0	31.5	.....	4.5
Winchester	152.8	145.5	172.9	.....	27.4

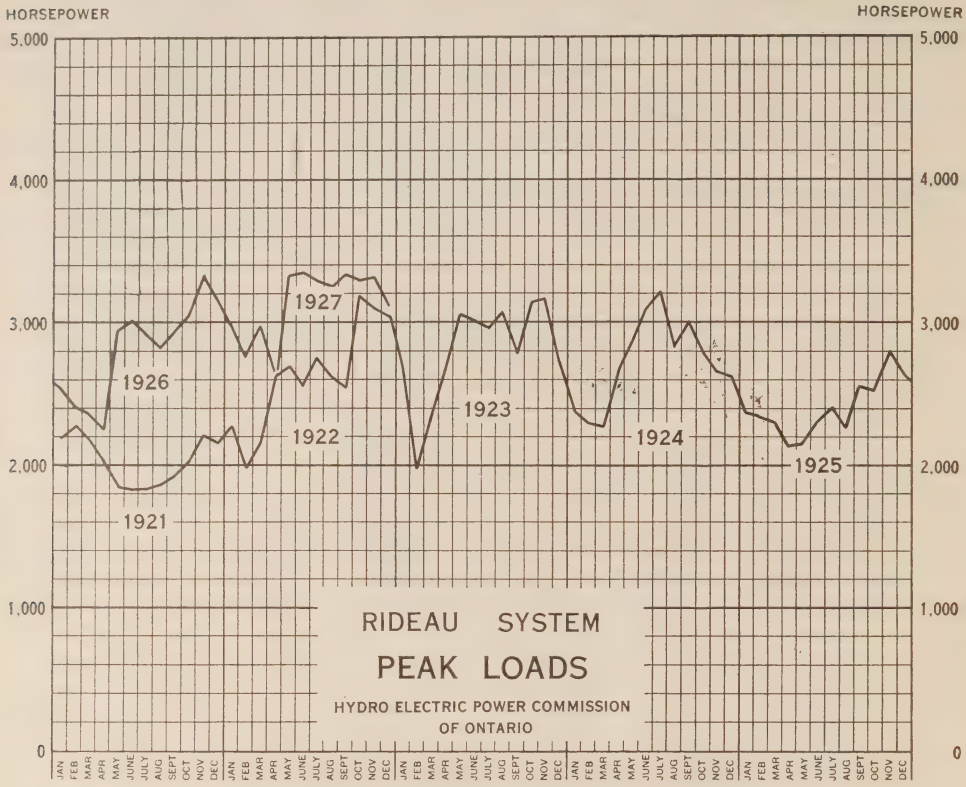
ST. LAWRENCE SYSTEM—RURAL POWER DISTRICT LOADS, 1926-1927

Rural power district	Peak load in horsepower		Change in load 1926-1927	
	Oct., 1926	Oct., 1927	Decrease	Increase
Brockville	61.1	46.5	14.6	.....
Chesterville	25.7	31.5	.....	5.8
Martintown	26.2	30.5	.....	4.3
Prescott	54.9	46.9	8.0	.....

ST. LAWRENCE SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1927	Decrease	Increase
Apple Hill	Dec. 1, 1926	14.7	28.5	.....	13.8


ST. LAWRENCE AND RIDEAU SYSTEMS
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1927
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
RIDEAU SYSTEM
(60 CYCLES)
ST. LAWRENCE SYSTEM
(60 CYCLES)
HIGH FALLS
2,810 HORSEPOWER
LANARK
2,400V
BALDERSON
W.R. GEDDES
2400V
PERTH
26,400.V.
536 HORSEPOWER
CARLETON PLACE
CARLETON PLACE
SMITHS FALLS
26,400.V.
SMITHS FALLS
21,200.V.
26,400.V.
GRENVILLE CRUSHED ROCK CO.
26,400.V.
KEMPTVILLE
RIDEAU POWER CO. MERRICKVILLE
MAXVILLE
4,160.V.
ALEXANDRIA
APPLE HILL
APPLE HILL R.P.D.
MARTINTOWN
MARTINTOWN R.P.D.
4,160.V.
LANCASTER
CEDARS RAPIDS POWER CO.
110,000.V.
44,000.V.
CORNWALL
HOWARD SMITH PAPER CO.
WINCHESTER
26,400.V.
CHESTERVILLE R.P.D.
CHESTERVILLE
RUSSELL
WILLIAMSBURG R.P.D.
WILLIAMSBURG
MORRISBURG
44,000.V.
PRESCOTT R.P.D.
PRESCOTT
EUGENE PHILLIPS CO.
44,000.V.
BROCKVILLE
BROCKVILLE R.P.D.
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
DISTRIBUTING STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
R.P.D. RURAL POWER DISTRICT



RIDEAU SYSTEM

During the past year the Rideau System load has shown a marked increase during the summer months. It can readily be seen from the peak load graph that for the period extending from May to November, inclusive, there was only a very slight variation from the maximum peak which was established in the month of June. Very favourable water conditions have prevailed throughout the entire year.

An additional 750-kv-a. transformer, with the necessary switching and metering equipment, was installed in the Smiths Falls substation to take care of the increasing load in this municipality. This transformer was placed in service on August 7.

At Carleton Place, as a safety measure, gates and warning signs were installed on the headworks deck adjoining the power house.

New staff gauges were established on all the main storage lakes in the Mississippi watershed to assist in the regulation of flow and storage.

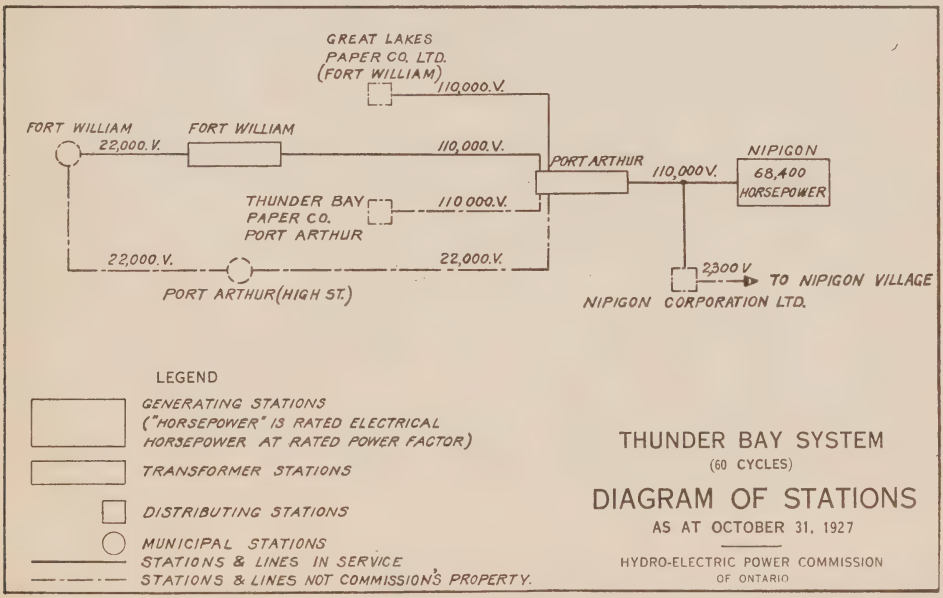
At High Falls power house the equalizer and exciter rheostats were relocated, thereby relieving congestion behind the switchboard and making it much more convenient for inspection and maintenance.

An improved type of air-break switch was installed at the Smith Falls tap and Carleton Place junction, which will greatly minimize the interruptions necessary for maintenance work.

Tests were carried out on the high-tension line insulators, using live-line testing equipment. The result of the tests showed that no extensive insulator replacements were necessary.

RIDEAU SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Carleton Place	748.0	670.2	642.0	28.2	.....
Kemptville	150.1	173.0	183.3	.....	10.3
Lanark	40.2	39.1	43.9	.....	4.8
Perth	612.6	678.3	660.8	17.5	.....
Smiths Falls	816.3	1,013.4	1,067.8	.....	54.4



THUNDER BAY SYSTEM

The peak load of the Thunder Bay system for the year, while not so great in magnitude as the load carried in December, 1925, has been remarkably constant throughout the year, the lowest month being only about eleven per cent smaller than the greatest. The total kilowatt-hours generated show an increase of seven per cent over the previous year, which was in turn about five per cent larger than 1925. This indicates a continuous growth in load on this system.

A short section of 110,000-volt transmission line, on steel towers, has been built between Reserve junction and Sprucewood junction. It was placed in operating service on May 3, 1927. This gives a continuous circuit carried on steel towers between the Cameron Falls generating station and the Port Arthur transformer station.

The new out-door-type transformer station at Fort William was placed in operating service on December 8, 1927. On this date, the new circuit, referred to in the 1926 Annual Report as being operated at 22,000 volts, was placed in operating service at 110,000 volts to supply power to the new Fort William transformer station from the Port Arthur transformer station.

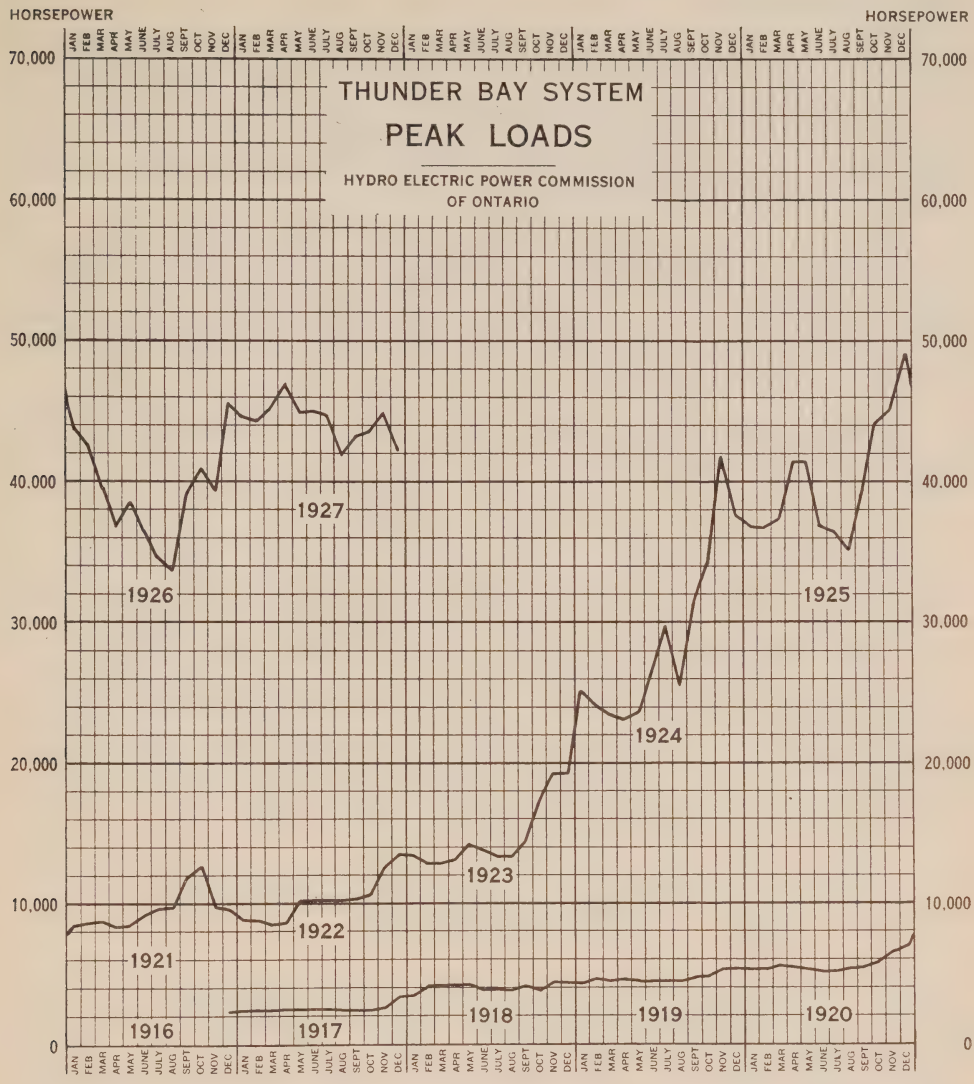
There has been no maintenance work of major importance at the Cameron Falls generating station, but the regular amount of detailed maintenance work was carried out, and the plant maintained in good operating condition.

While some minor troubles have been experienced at the generating station—such as a turbine guide bearing failure, failure of a generator oil-breaker and the breakage of headgate cables on two units—the only serious trouble consisted in the wrecking of the runner in No. 5 unit on February 12, 1927, during some tests by the manufacturer's representatives. New cast steel runners for both this unit and for No. 6 unit, which is similar to it, are being supplied by the manufacturers. However, there has been ample capacity for all system load requirements, due, probably, to the extremely uniform load and absence of high peaks.

Very good service has been obtained from the transmission lines this year. A grounded sky wire was erected on the steel tower line, the work being completed on August 1, 1927. This appears to have improved the operation of this circuit, which had fewer outages due to lightning than were experienced during the previous year. A considerable amount of brush cutting on the right-of-way was done this year as usual. In order to increase the life of the wood poles, a large number of these poles were uncovered for about two feet below the ground line, the rotten wood stripped off and the poles charred and sprayed while still hot with solignum. It was found necessary to replace only two of these poles this year due to rotting at the butts, which in one of the cases was probably augmented by the attacks of ants. A large number of additional side guys were also installed in certain sections of this wood-pole line.

The Port Arthur transformer station has functioned satisfactorily, with no failures of equipment. It was found necessary to replace one 110,000-volt bushing on one of the transformers of the original bank due to a slow leak through a fine crack in the porcelain of the bushing. Generally, proper operation of all relay equipment was secured, but in one or two cases the 110,000-volt breakers did not open. These breakers have since been carefully adjusted and have operated properly in all subsequent cases. The load on this transformer equipment has been materially reduced by the closing down of the Current River mill of a paper company which formerly received power at 22,000 volts, the same company placing in operation a mill at Bare Point which takes power at 110,000 volts.

During the latter part of 1926, it appeared necessary to conserve all the water possible in Lake Nipigon in order to meet the system load requirements



with the anticipated normal precipitation. However, during December it became evident that the spring run-off would be fairly heavy, so the Virgin Falls dam was operated to increase the flow in the river substantially above normal load requirements and materially above the normal winter flow of the river. Since the precipitation in this district was greater than any experienced in the history of the operation of this plant, it was found necessary to maintain the abnormally large flow in the river throughout the year. Therefore, a large amount of water has been wasted at Cameron falls, and at the end of this fiscal year this condition continues. Even in the event of another series of years of low precipitation, it appears possible to conserve sufficient water to carry the system load until such time as the next generating station is ready for service.

Radio Communication

The two short-wave radio stations placed in service last year have functioned very satisfactorily throughout the year, and have proved very useful in keeping the head office in Toronto in close touch with the operation of the system. The construction staff carrying out the work at the Alexander development have also made frequent use of this system of communication in reporting progress and in having material ordered and traced.

It has been found impossible to eliminate the effect of local interference, and, therefore, it has been necessary to adhere to evening schedules. These schedules have been very consistently maintained. There have been only a very few isolated days on which conditions were so bad as to prevent the messages being satisfactorily transmitted.

These radio stations have required very little in the matter of maintenance or replacements during the year.

THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Fort William	.....	1,555.0	8,635.0	.....	7,080.0
Nipigon township	39.9	50.3	48.2	2.1	.....
Port Arthur	26,407.0	26,541.0	32,392.7	.....	5,851.7

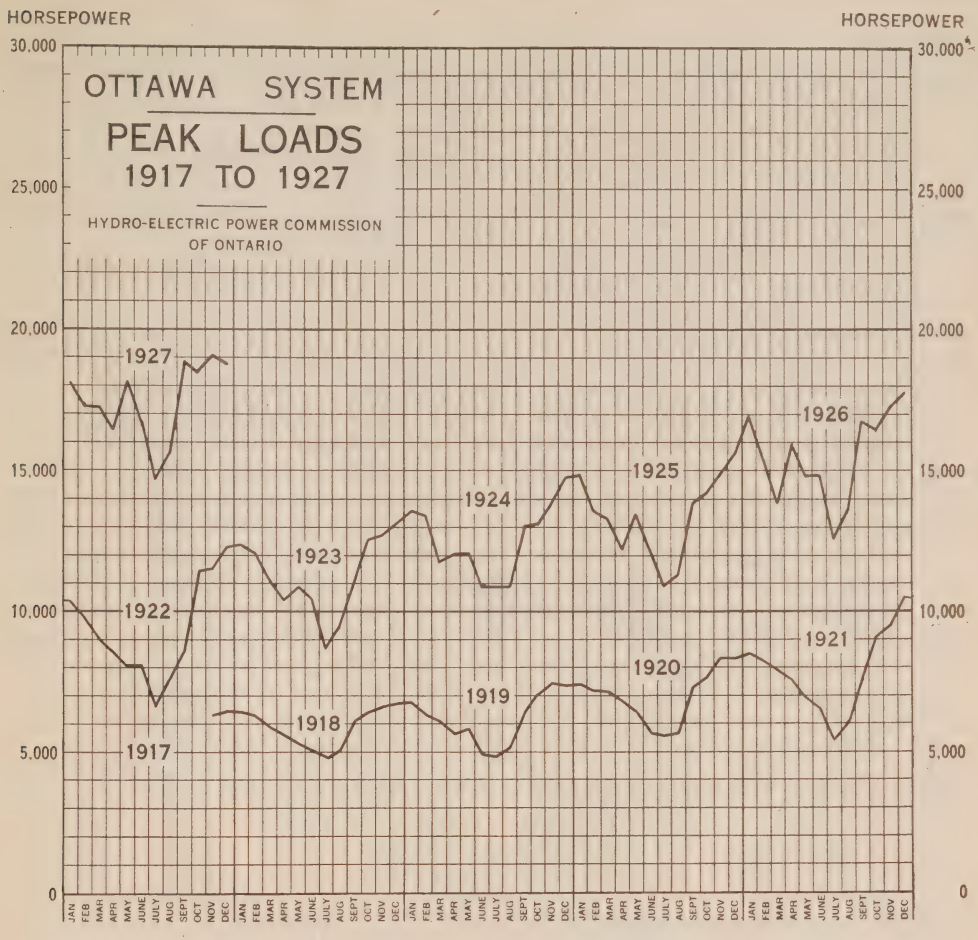
OTTAWA SYSTEM

From an operating point of view, conditions on the Ottawa system have been uniformly satisfactory throughout the year 1927. The load on this system has again shown steady increase which compares very favourably with the increase in previous years. No incidents which warrant mention in the Report have occurred.

OTTAWA SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Ottawa	14,260.0	16,355.0	18,480.0	.....	2,125.0

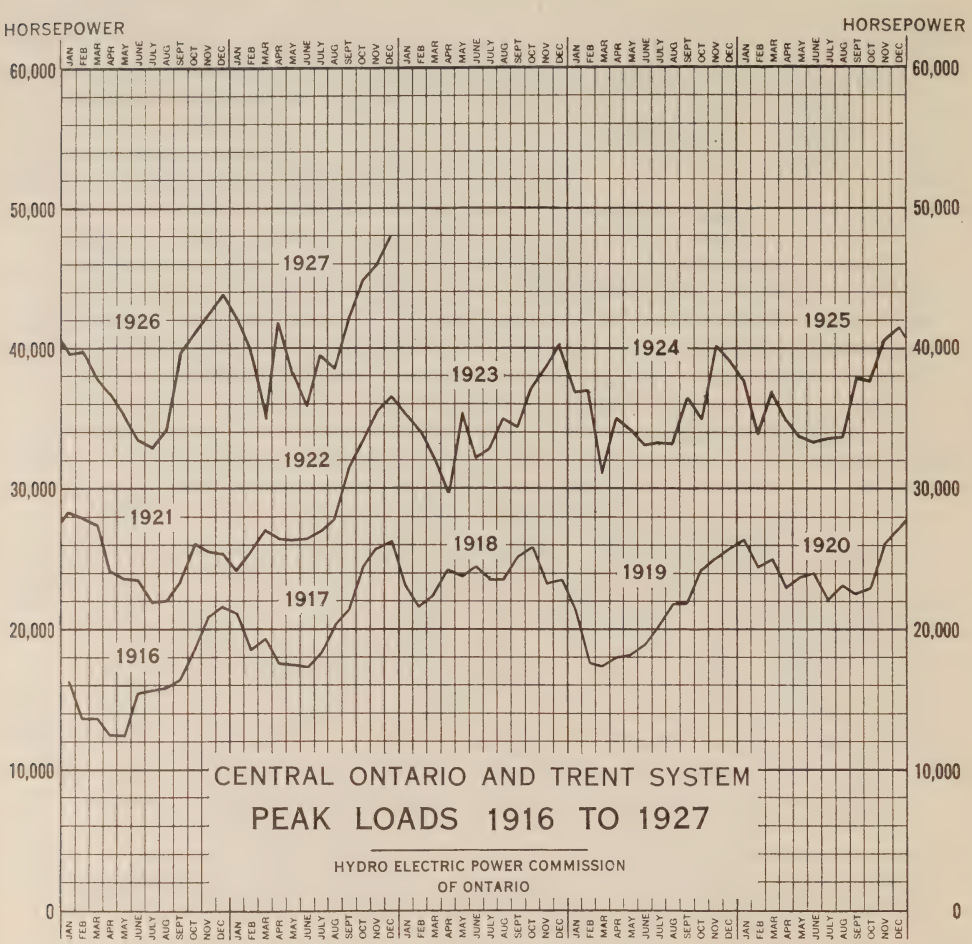
NOTE.—Nepean rural power district load is included in Ottawa load to the extent of 94 horsepower for October, 1925, 131 horsepower for October, 1926, and 295 horsepower for October, 1927.



CENTRAL ONTARIO AND TRENT SYSTEM

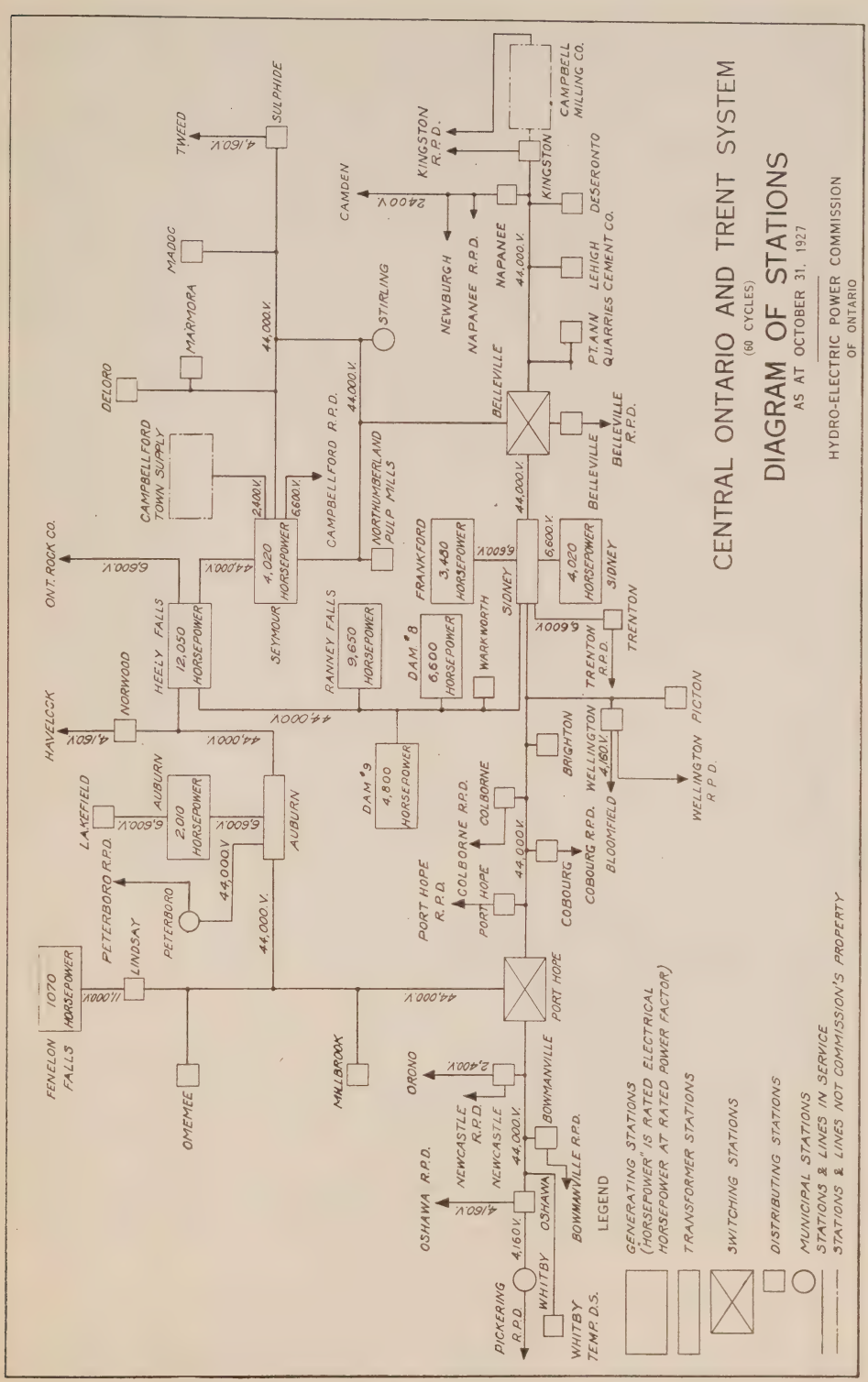
During the past fiscal year the demands for power on the Central Ontario and Trent system showed a substantial increase, both in peak and average load, over the demands for the previous year. It became evident toward the end of the year that the winter peak of 1927 would exceed any previous demand and would very nearly equal the system generating capacity. Demands for power throughout the year have been supplied unrestrictedly, with the exception of minor load reductions during the month of September due to the regulation of stream flow.

The automatic, remote-control plants situated at Dam No. 8 and at Dam No. 9 near Campbellford have operated very satisfactorily throughout the year. From an operating point of view, these plants have decided economic advantages over the manually controlled plants, and, furthermore, the flexibility and ease with which equipment can be controlled, such as bringing on additional generating capacity at short notice, operating switches, etc., is all that might be desired.



Direct telephone communication was established at the beginning of the year between the Toronto head office and the field, which has proved to be a decided operating betterment. Complete new telephone equipment was installed at Sidney generating station, including an improved type of switchboard and protective equipment. A third telephone circuit was also established between this station and Belleville office by means of superimposing a phantom circuit on the main physical lines. This has proved to be a decided advantage to the system load despatchers, especially during system disturbances. The old telephone line extending from Trenton to Oshawa was restrung with copper conductor, and at all stations along the line standard telephone protective equipment was installed. These changes have greatly improved communication.

As a safety measure, wire screen guards were erected at the entrance of all power houses as a protection against unauthorized parties entering the plants, unknown to the operator, with the possibility of coming in contact with live apparatus or rotating equipment.


CENTRAL ONTARIO AND TRENT SYSTEM
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1927
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
SWITCHING STATIONS
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
FENELON FALLS
1070 HORSEPOWER
11,000V
LINDSAY
PETERBORO R.P.D.
PETERBORO
LAKEFIELD
OMEMEE
MALLBROOK
ORONO
2,400V
OSHAWA R.P.D.
NEWCASTLE R.P.D.
NEWCASTLE
OSHAWA
4,160V.
WHITBY
PICKERING R.P.D.
WHITBY TEMP. D.S.
BOWMANVILLE R.P.D.
BOWMANVILLE
PORT HOPE
PORT HOPE R.P.D.
COLBORNE R.P.D.
COLBORNE
COBOURG
COBOURG R.P.D.
BLOOMFIELD
BRIGHTON
WELLINGTON
WELLINGTON R.P.D.
PICTON
TRENTON R.P.D.
TRENTON
SIDNEY
BELLEVILLE
BELLEVILLE R.P.D.
PT. ANN QUARRIES
LEHIGH CEMENT CO.
DESERONTO
KINGSTON
KINGSTON R.P.D.
CAMPBELL MILLING CO.
NAPANEE
NAPANEE R.P.D.
NEWBURGH
STIRLING
CAMDEN
2400V
SULPHIDE
TWEED
4,160V.
MADOC
MARMORA
DELORO
CAMPBELLFORD TOWN SUPPLY
CAMPBELLFORD R.P.D.
NORTHUMBERLAND PULP MILLS
ONT. ROCK CO.
HAVELOCK
NORWOOD
HEELY FALLS
12,050 HORSEPOWER
SEYMOUR
4,020 HORSEPOWER
RANNEY FALLS
9,650 HORSEPOWER
DAM #8
6,600 HORSEPOWER
FRANKFORD
3,450 HORSEPOWER
WARKWORTH
DAM #9
4,800 HORSEPOWER
AUBURN
2,010 HORSEPOWER
44,000V.
6,600V.
2400V.
44,000 V.

Extensive painting of buildings, structures, and apparatus was carried out during the year. As mentioned in earlier issues of this Report, the application of paint by means of a spray gun effected a substantial saving in cost.

At several of the plants, turbines and governors were inspected and, where necessary, defective or damaged parts were replaced. Advantage was taken of shut-downs for these purposes, to clean and paint the generator windings and to carry out any other necessary maintenance work.

At Sidney terminal station new oil circuit-breakers having a higher rupturing capacity were installed in all the main lines. The old circuit-breakers had given considerable trouble, and on several occasions when interrupting short circuits have thrown oil and caused minor fires which badly smoked the high-tension room.

Plant No. 5 was closed down during the surplus water period in the spring, during which time turbines were inspected, generator armatures and field-coils painted and the station thoroughly cleaned.

At plants No. 8 and No. 9 the governors were improved by replacing the slow release dash-pots with magnetic latches.

At plant No. 8 a new storage battery was installed, and at plants No. 8 and No. 9 small motor-generator sets were installed for the purpose of battery charging. Previously the storage battery at plant No. 8 was charged from the exciter system and at plant No. 9 by means of rectifiers. The life of the storage batteries at these plants will be greatly extended by the new method of charging.

Turbines were inspected at each of these plants, disclosing the fact that the erosion of the runners found at an earlier inspection had not increased to any great extent.

At plant No. 10 new adjustable-type, lignum-vitae guide bearings were installed in both turbines. An improved type of bearing having an efficient means of lubrication was also installed under the regulating rings. Defective gate arms were replaced. Generators and governors were cleaned and painted.

At plant No. 18 one turbine was completely overhauled, all gate links, link pins and bushings being replaced. In several cases the gate bolts were so loose that the casing had to be drilled and plugged, the plugs then being drilled and tapped to fit new gate bolts.

Among substation betterments, the following are worthy of note: At Lehigh substation, as a safety measure, barrier walls were constructed around the oil circuit-breakers and lightning arresters. An emergency exit was made and a steel ladder installed to allow ready exit from the high-tension room. To accommodate the increased load demand at this station an additional 750-kv-a. transformer was installed.

At Marmora distributing station a second 50-kv-a. transformer was installed and placed in service on October 2.

At Picton distributing station a second 300-kv-a. transformer was installed and placed in service on October 23.

At Whitby a 300-kv-a. transformer was connected to the newly constructed 44,000-volt line as a temporary expedient to improve voltage and load conditions.

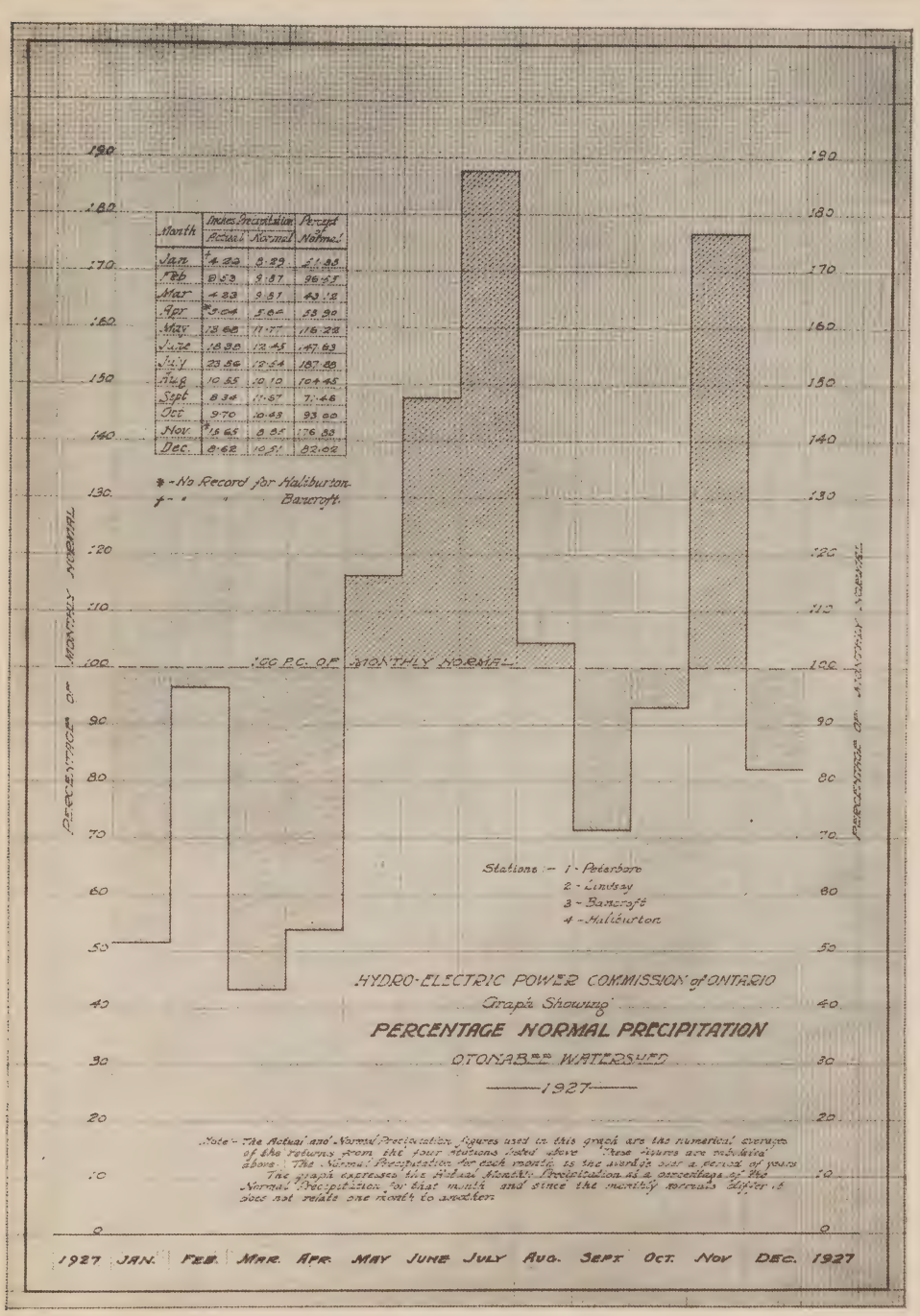


PLATE A—PRECIPITATION DATA

This graph represents the estimated actual monthly precipitation on the Otonabee watershed expressed as a percentage of the normal precipitation.

The estimate is based upon the actual and normal returns of the Meteorological Service for Peterboro, Lindsay, Bancroft and Haliburton. (See inset table.)

Although the numerical values differ from month to month the normal precipitation is taken as 100 per cent, hence the solidly hatched areas represent the amount by which the precipitation exceeded the average while the dotted hatched area represents in a similar manner the dificiencies.

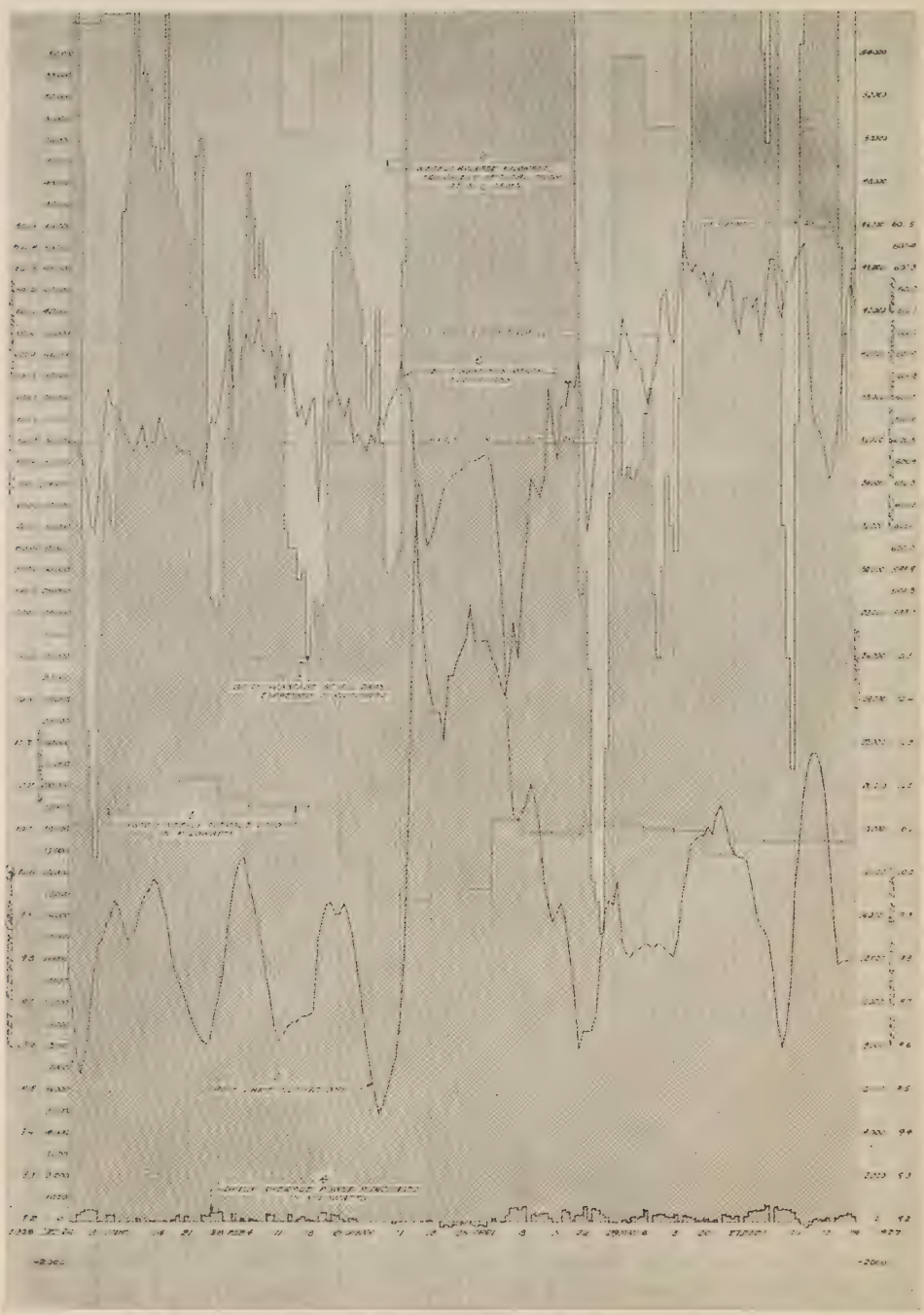


PLATE B1—GENERAL OPERATING DATA

December 24, 1926, to June 24, 1927

GRAPH No. 1—System average weekly load in kilowatts.

GRAPH No. 2—Weekly average power equivalent of total flow at all dams. This equals the weekly average system load plus the power equivalent of the weekly average wastage of water at all plants from which the Commission derives its regular supply. The wastage is shown by the dotted hatched area between graphs 2 and 1.

(Description continued on opposite page.)

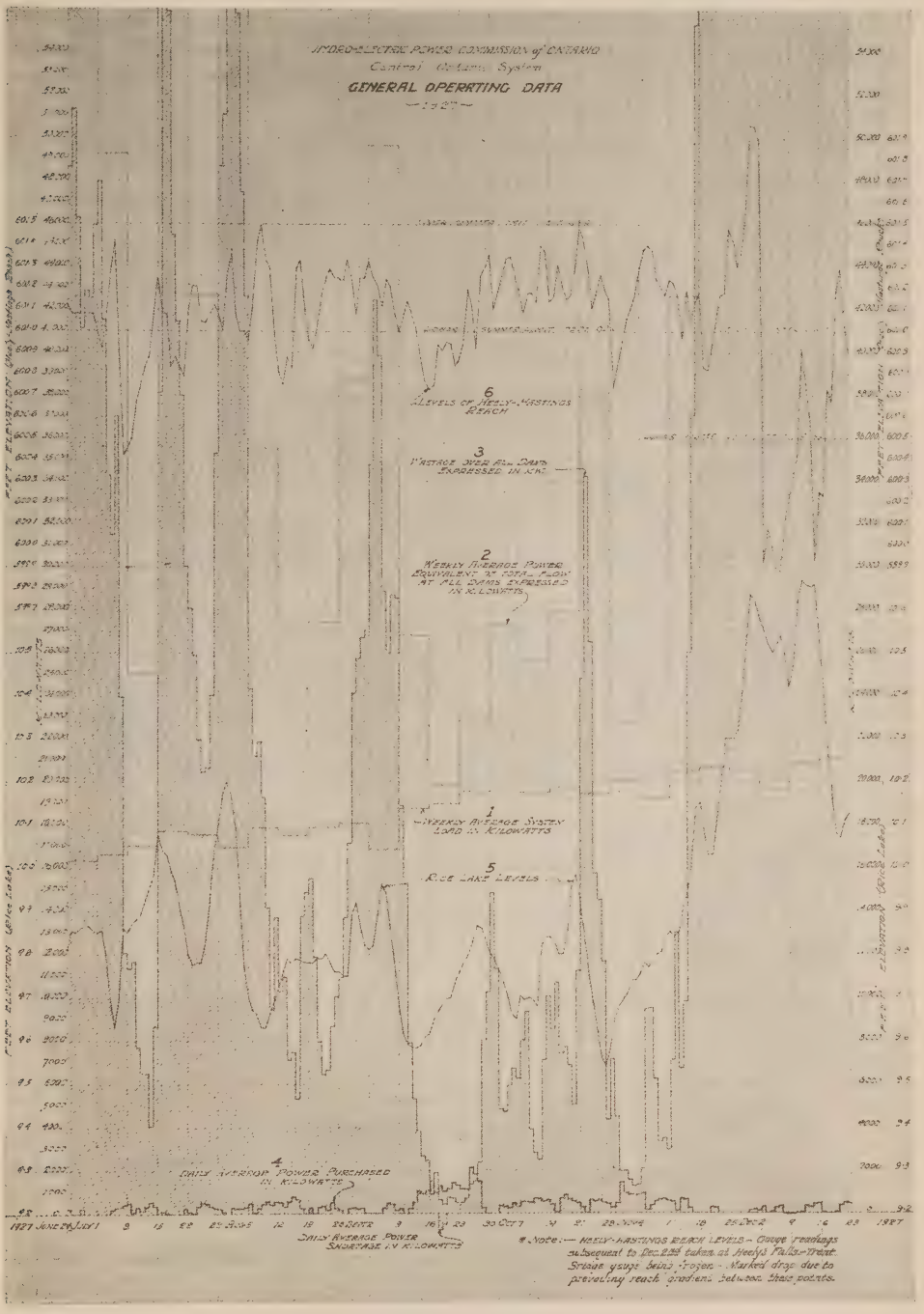


PLATE B2—GENERAL OPERATING DATA
June 24, 1927, to December 23, 1927

GRAPH No. 3—Average daily wastage at all plants expressed in kilowatts. In the weekly aggregate the area under this graph equals the wastage, represented by the hatched area between graphs 2 and 1 and shows the daily distribution on this weekly wastage.

GRAPH No. 4—Average daily power purchased in kilowatts.

GRAPH No. 5—Midnight elevation of Rice Lake.

GRAPH No. 6—Midnight elevation of Heely-Hastings reach.

This transformer carried part of the Whitby load and greatly relieved the 4,000-volt feeder from Oshawa transformer station, which has for some time been considerably overloaded. A new station will be constructed in Whitby at an early date.

At Lindsay a decided improvement was made in connection with the street lighting system, in that the old mercury arc rectifier unit was replaced by a constant current-transformer. This change will greatly reduce maintenance costs in this district.

At Port Hope switching station, three new three-phase rotor-type disconnecting-switches were installed on each of the outgoing lines. The installation of this type of switch will greatly facilitate work in connection with line maintenance.

At Belleville switching station all strain insulators were tested and defective units replaced.

Work in connection with line maintenance has again been very active throughout the year. A considerable number of pin-type insulators were replaced. Poles were stubbed, crossarms changed and improvements made to railway and canal crossings where necessary.

Load and Water Conditions—Trent River Watershed

A study of Plate A precipitation data for the year 1927 shows that during the months of January to April, inclusive, the snow- and rain-fall was considerably below normal, resulting in the monthly average flows for April and May being lower than usually prevails for these months. However, this principally affects the spring freshet when there is an abundant surplus over power requirements. From May to August, inclusive, precipitation was considerably above normal, resulting in a heavy surplus which is clearly shown on the operating graphs.

From an operating point of view, water conditions in the Trent watershed have been very favourable for power development throughout the year, in that there was an abundant supply. However, difficulties have been experienced occasionally for short intervals owing to restricted stream flow, but no serious load reductions were necessary.

CENTRAL ONTARIO AND TRENT SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Belleville	3,108.4	3,257.4	3,071.8	185.6	.....
Bloomfield	119.0	107.2	139.4	.....	32.2
Bowmanville	1,326.7	1,646.6	1,538.0	108.6	.....
Brighton	203.7	214.5	210.0	4.5	.....
Cobourg	973.2	1,072.4	1,204.8	.....	132.4
Colborne	109.9	135.4	141.0	.....	5.6
Deseronto	210.4	218.5	210.0	17.5	.....
Havelock	196.1	218.5	222.0	.....	3.5
Kingston	3,194.4	3,485.1	3,963.8	.....	478.7
Lakefield	84.4	159.1	151.6	7.5	.....

CENTRAL ONTARIO AND TRENT SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927—Continued

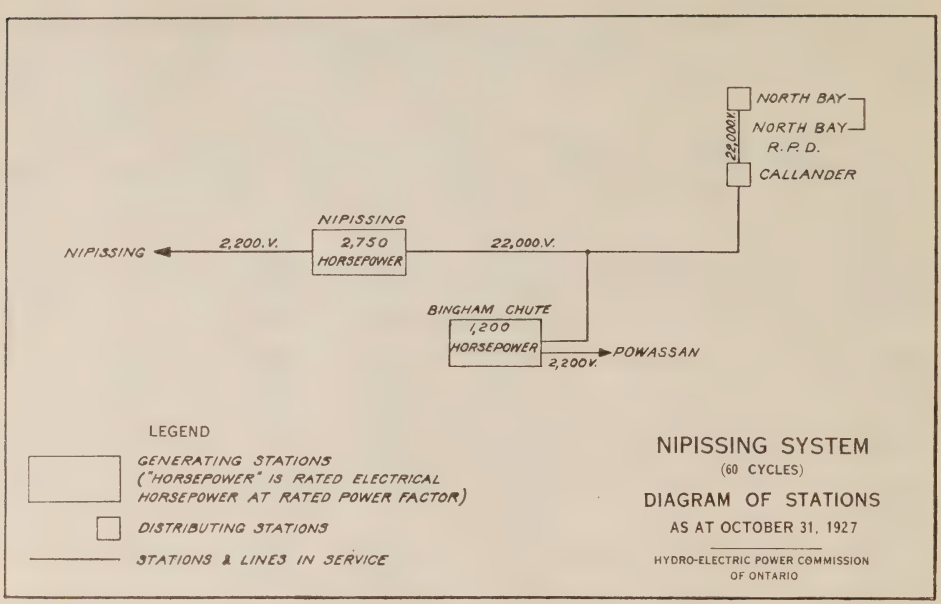
Municipality	Peak load in horsepower			Change in load, 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Lindsay	1,374.0	1,412.8	1,474.5	.....	61.7
Madoc	110.0	123.3	149.4	.....	26.1
Marmora	65.1	72.9	96.5	.....	23.6
Millbrook	53.6	54.7	62.7	.....	8.0
Napanee	780.0	836.0	858.0	.....	22.0
Newburg	595.1	681.0	332.4	348.6	.....
Newcastle	78.0	82.8	74.9	7.9	.....
Norwood	104.0	112.2	147.5	.....	35.3
Omemee	123.4	186.7	56.0	130.7	.....
Orono	52.0	55.2	53.3	1.9	.....
Oshawa	5,397.1	6,016.0	6,933.0	.....	917.0
Peterboro	4,525.4	5,715.7	5,467.8	247.9	.....
Picton	509.4	557.6	640.7	.....	83.1
Port Hope	741.3	976.5	752.0	224.5	.....
Stirling	205.7	222.8	253.0	30.2	.....
Trenton	1,104.5	1,215.6	1,654.8	.....	439.2
Tweed	136.7	166.2	182.0	.....	15.8
Warkworth	39.5	38.8	53.6	.....	14.8
Wellington	101.2	136.7	146.1	.....	9.4
Whitby	681.0	762.1	860.6	.....	98.5

CENTRAL ONTARIO AND TRENT SYSTEM—RURAL POWER DISTRICT LOADS 1926-1927

Rural power district	Peak load in horsepower		Change in load 1926-1927	
	Oct., 1926	Oct., 1927	Decrease	Increase
Bowmanville	5.0	5.0	.....	.....
Campbellford	47.6	50.9	.....	3.3
Colborne	30.8	34.8	.....	4.0
Kingston	34.2	36.2	.....	2.0
Oshawa	191.0	233.0	.....	42.0
Pickering	59.6	115.6	.....	56.0
Trenton	1.5	10.0	.....	8.5

CENTRAL ONTARIO AND TRENT SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1927	Decrease	Increase
Belleville	Sept. 1, 1927	85.0	85.0	.....	.....
Cobourg	Feb. 1, 1927	11.0	11.0	.....	.....
Newcastle	Sept. 1, 1927	5.0	5.0	.....	.....
Peterboro	Jan. 1, 1927	155.5	155.5	.....	.....
Port Hope	Aug. 1, 1927	10.0	12.0	.....	2.0



NIPISSING SYSTEM

Both peak and average loads on the Nipissing system have shown heavy increases over the previous fiscal year, the peak requiring approximately all of the available generating capacity.

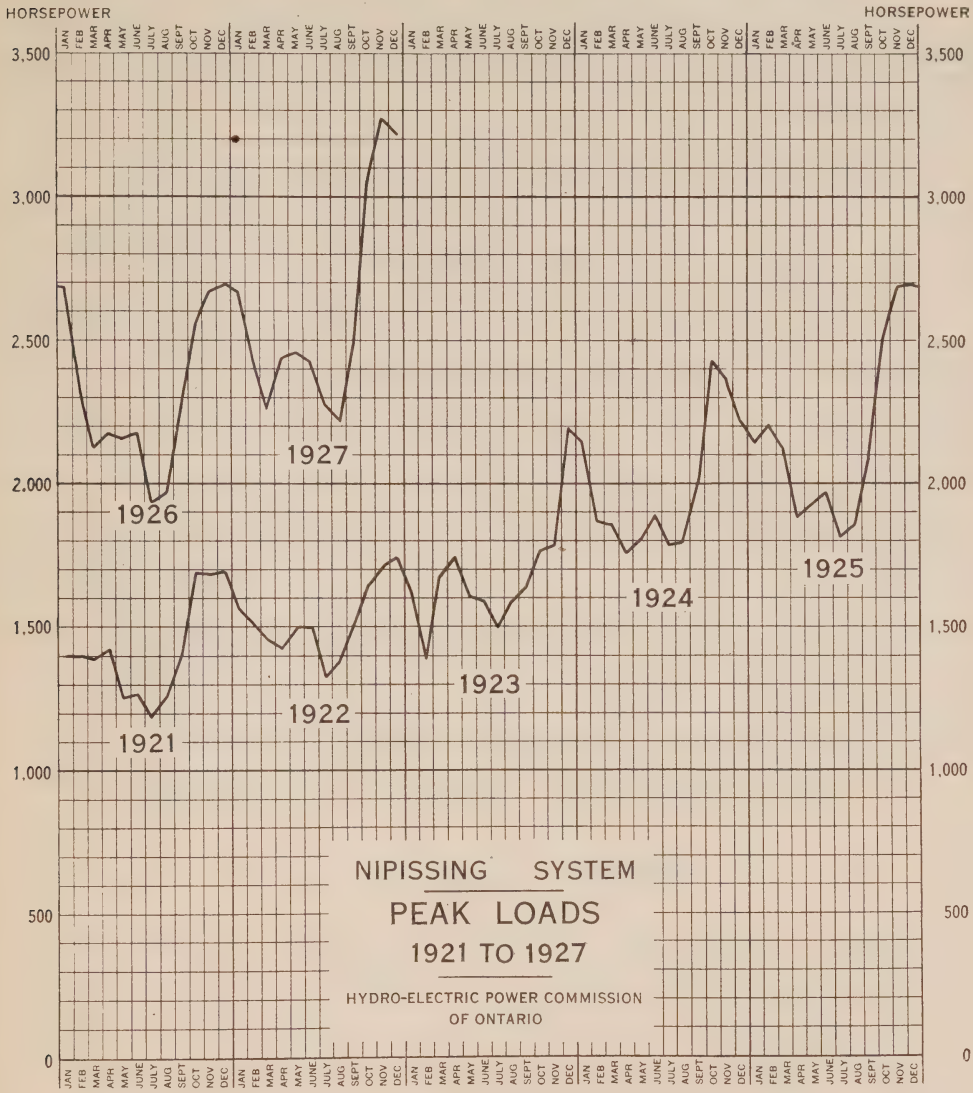
Extensive alterations to the Commission's lines were necessary on account of road operations by the Northern Development branch of the Department of Lands and Forests in rebuilding and re-locating the road between North Bay and Callander. Ten 22,000-volt line-crossings over telephone company lines, and four over railway lines, were rebuilt to conform with present standards of construction.

Some 285 poles were treated at the ground line with wood preservative to arrest decay, and several poles which were too deeply decayed to be serviceable were replaced.

New steel-reinforced aluminum cable was strung between poles Nos. 658 and 689. and between poles Nos. 807 and 856, on the section between Callander and North Bay, as a portion of the general maintenance scheme on the 22,000-volt lines, and new insulators were erected at all crossings.

The line section from Nipissing power house to Nipissing village was rebuilt, due to the age and condition of the line. The sags of the conductors were readjusted, and all defective crossarms, pins, insulators, poles and anchors were renewed.

All insulators on the section of line from Bingham Chute generating station to the junction with the main line between Nipissing generating station and North Bay, were tested with the live-line testing equipment, and the defective insulators replaced.



Fences were erected around the North Bay substation property and also around the out-door transformer at the North Bay substation.

The usual inspection and maintenance work was carried out on the turbines at Nipissing and Bingham Chute plants, on the pipe lines and on the storage lake dams.

The winding on the No. 2 generator at the Nipissing power house was damaged by lightning during the early summer. Repairs were effected and the unit returned to service.

The 250-kw. generator, operating as a condenser at the North Bay No. 2 station, failed in service, and the armature winding was completely replaced and the unit returned to service.

At the various storage lakes on the South River watershed, a considerable amount of maintenance work, in addition to the regular operations, was carried out, in connection with the conservation and control of storage water for power plant operation.

NIPISSING SYSTEM—LOADS OF MUNICIPALITIES, 1925-1926-1927

Municipality	Peak load in horsepower			Change in load 1926-1927	
	Oct., 1925	Oct., 1926	Oct., 1927	Decrease	Increase
Callander	88.0	75.0	92.0	.....	17.0
Nipissing	3.0	3.0	3.0	.....	.....
North Bay	2,188.0	2,110.0	2,515.0	.....	405.0
Powassan	97.0	100.0	103.0	.....	3.0

NIPISSING SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1927	Decrease	Increase
North Bay	June 1, 1927	25.0	38.0	.....	13.0

SECTION III

MUNICIPAL WORK

The Commission acts in an advisory capacity in connection with the operation of the "Hydro" utilities of the various municipalities with which it has contracts. In this connection the Commission arranges for the purchase, construction or extension of distribution systems and assists the municipal officials in making their financial arrangements to pay for the cost of these systems. All rate adjustments, as provided under The Power Commission Act, are recommended by the Commission, and a study of the operating conditions of all utilities is made annually and adjustments recommended accordingly. The Commission generally supervises the management and operation of all systems, more expecially in the smaller municipalities, which, individually, are not of sufficient size to employ a manager with the technical knowledge necessary to administer properly all phases of the local system's operation.

NIAGARA SYSTEM

The rapid and consistent increase in power load in the Niagara system indicates that all available power at Niagara Falls under the present water diversion will be in use by the end of 1928, and in order to provide additional power for the Niagara system, a contract was made during the year with the Gatineau Power Company for an amount up to 260,000 horsepower. This power is generated on the Gatineau river in the province of Quebec, approximately twenty miles from the city of Ottawa. The Commission is at the present time constructing a 220,000-volt transmission line to transmit the power to Toronto, where it will be tied in with the transmission lines of the Niagara system at a new transformer receiving station now being erected near Leaside. The first block of power under the Commission's contract with the Gatineau Power Company is to be taken toward the end of year 1928.

The Commission has during the year sold considerable quantities of interruptible or off-peak power to companies in the United States under arrangements which permit its withdrawal when required by Ontario industries.

The generating plants of the Commission at Niagara Falls are so operated as to obtain the maximum power possible from the available water supply; the Queenston plant, which is the most efficient of the three, being operated at full capacity as much of the time as possible.

General engineering assistance was given during the year to practically all of the municipalities in the Niagara system, by a general supervision of management and operation, and also in connection with the construction and extension of distribution systems and stations. Certain municipalities received special engineering advice and assistance regarding a number of matters, which are more fully referred to as follows:

Acton—Primary feeders were rebuilt and extended for the purpose of furnishing power to a new industry and to provide for other increasing demands.

Arkona—The dismantling of the distribution system of the Rock Glen Power Company and incorporating it into a "Hydro" distributing system was completed. A 4,000-volt line tapping the Forest-Thedford line, was constructed, a pole-type metering station installed and power turned on early in the year.

Belle River—The village installed a complete waterworks system and a 25-horsepower squirrel cage motor, direct-connected to a centrifugal pump, to operate on "Hydro" power on the regular off-peak basis.

Bothwell—Estimates were provided by the Commission of the cost of removing the overhead wires from the four main blocks of the town and installing twenty-one 300-watt multiple lamps in ornamental standards. These estimates were approved and the work of installation completed under the supervision of the engineers of the Commission.

Chippawa—Plans are being prepared, and the approval of the Commission has been given for the construction of an office building in order that the local activities may be centralized.

Erieau—To supply satisfactorily the increasing number of consumers in the village of Erieau and the district, one additional primary wire was strung from the Blenheim distributing station to the village limits and the metering equipment was changed in the Blenheim station.

Etobicoke Township—Arrangements were made whereby the Etobicoke Township system has taken over a certain telephone pole line on Queen street belonging to the Commission, the telephone wires of the Commission being moved to another location.

Fergus—Plans and estimates were submitted to the municipality for the revision of the distribution system to take care of the increased demand.

Galt—Assistance was given in connection with the extension of the 13,000-volt line and the erection of a new substation for the supply of 550-volt power for new industries in the south end of the municipality.

Hespeler—Estimates were prepared and suggestions made in connection with the installation of ornamental street lights.

London Township—Voted Area—As per resolution from the township council, all outside work in the Voted area—Broughdale, Oxford Park and the Kensington district—in connection with maintenance, extensions, reading meters, checking installed capacity and operation of their system, was taken care of by the Commission. Extensions were made from time to time to take care of the increased uses of electric current.

Merritton—Increased industrial activities necessitated an extension to the substation which required the issuance of additional debentures amounting to $15,000.

Niagara-on-the-Lake—Increasing use of both lighting and power has necessitated an extension to the substation which will require the issuance of additional debentures amounting to approximately $12,000.

Parkhill—An extension to serve the waterworks system was investigated and estimates prepared and submitted. Various matters pertaining to the operation of the system were taken up with the local officials to assist them with the management during the year.

Riverside—On account of the Riverside distributing station being put into service to supply the towns of Riverside, Tecumseh and St. Clair Beach, the 4,000-volt line, which formerly supplied power to these municipalities from the Walkerville station, was reconstructed so that the towns of Tecumseh and St. Clair Beach are now supplied from a separate feeder in the Riverside distributing station.

Seaforth—Plans were submitted and material purchased for the installation of some twenty-two ornamental street lights on the main street of the municipality. Arrangements were also made for the sale of a distribution system in the village of Egmondville, which will be known in future as the Seaforth rural power district.

Simcoe—Increasing use of both power and light necessitated an extension to the substation, which required the issuance of additional debentures amounting to $18,000.

Springfield—The Commission upon request from time to time took care of the local system's maintenance work and extensions.

St. Thomas—Engineering assistance was given in connection with improvements made in the main substation which included increased oil circuit-breaker capacity in the feeder breakers. An emergency 2,300-volt bus was also installed. The 13,200-volt outgoing power feeder in part was placed underground. Extensions were made to the distribution system to take care of the increased uses of electric current.

Thedford—Pole-type metering equipment and an air break switch were installed by the Commission at the limits of the village of Thedford, so as to provide a record in the village of the load, and to segregate it from the load supplied to Arkona.

North York Township—The "Hydro" Voted area was enlarged to include practically the entire township and the lines of the Lansing rural power district were absorbed into the Voted area by extending primary feeder circuits.

GEORGIAN BAY SYSTEM

Although the aggregate demand for electrical energy in the various municipalities comprising this system was greater during the year than for any previous period, no additional generating plant or transmission line capacity was required. Substation changes were made as follows: at Midland, by the

installation of an additional bank of three 300-kv-a transformers; at Bradford, by replacing a 3-phase, 150-kv-a unit with a 300-kv-a bank of three 100-kv-a transformers; and at Waubaushene, by the addition of a 25-kv-a transformer.

The annual meeting of the Association of Eugenia System Municipalities (comprising the western section of the Georgian Bay system) was held this year at the town of Chesley on June 8. Rural electrification, accident prevention and employees' pension and insurance were the three principal subjects under discussion.

Advice and assistance of a general nature was rendered to all of the municipalities on this system, especially with respect to engineering and operating matters, application of rates, extensions to distribution systems, recommendations to power customers, soliciting of new business, and all details relating thereto. The municipalities receiving such assistance were as follows:

Alliston, Arthur, Barrie, Beaverton, Beeton, Bradford, Brechin, Cannington, Chatsworth, Chesley, Coldwater, Collingwood, Cookstown, Creemore, Dundalk, Durham, Elmvale, Elmwood, Flesherton, Grand Valley, Gravenhurst, Hanover, Holstein, Huntsville, Kincardine, Kirkfield, Lucknow, Markdale, Meaford, Midland, Mount Forest, Neustadt, Orangeville, Owen Sound, Paisley, Penetanguishene, Port McNicoll, Port Perry, Priceville, Ripley, Shelburne, Stayner, Sunderland, Tara, Teeswater, Thornton, Tottenham, Uxbridge, Victoria Harbor, Waubaushene, Wingham, and Woodville.

Engineering advice of a special nature was given to the following municipalities:

Bradford—An extension was made to the distribution system in Bradford, under the supervision of the Commission's engineers, to provide power for the pumping plant in connection with the drainage scheme of the Holland marsh. Transformer changes were made in the Bradford substation, doubling the capacity thereof, to provide the necessary power for the drainage scheme pumping plant. All engineering details were handled by the Commission's engineers concerning an application to the Ontario Railway and Municipal Board covering a money by-law to provide funds for financing the necessary improvements to take care of this drainage scheme.

Midland—A 22,000-volt line extension was carried out by the Commission's engineers on behalf of the municipality for serving the new Midland-Simcoe elevator. This elevator was placed in operation at the close of the year with an initial storage capacity of two hundred and fifty million bushels of grain, and a contract for 1,500 h.p. covering this service was prepared by the Commission's engineers for execution between the local Utilities Commission and the Company.

Penetanguishene—An investigation was made and estimates were prepared and submitted to the local Commission by the Commission's engineers covering a complete rearrangement of the switchboard and feeder circuits in the local substation, made necessary on account of the growth of load. This work will be undertaken and completed next year.

Port Perry—The installation of an automatic voltage regulator was completed for the local system of this municipality by the Commission's engineers and placed in operation on June 15.

Uxbridge—A voltage regulator was installed in this municipality by the Commission's engineers and placed in operation on June 7.

Orangeville—Arrangements were made for increasing the substation capacity at the local substation by installing larger units. The change will be completed next year.

Paisley—For the purpose of taking care of the increased demand for power in this municipality, an investigation was made covering increase of transmission line capacity between the Chesley substation and Paisley, and the installation of a voltage regulator. This work will be undertaken and completed next year.

ST. LAWRENCE SYSTEM

The demand for industrial power supplied from municipalities did not increase, but there was an increase in power taken by industrial companies supplied direct by the Commission. The increasing use of domestic appliances caused additional power to be taken by some municipalities.

The village of Finch resumed negotiations for a supply of power, and construction of a transmission line from Chesterville, was approved to supply 25 horsepower of single-phase power to Finch.

At the request of the Council of the village of Athens, estimates were submitted on the delivery of 50 horsepower to the municipality.

Extensions were made to supply rural consumers in the Apple Hill, Chesterville and Williamsburg rural districts. Considerable interest in rural extensions was taken in the district north of Brockville.

RIDEAU SYSTEM

There has been no marked change in conditions in the Rideau municipalities during the year. With power supplied to the Grenville Crushed Rock Company during the summer and fall, the system has been operating at approximately full load.

Power at a favourable rate, will be available for this district under the contract being negotiated with the Gatineau Power Company.

THUNDER BAY SYSTEM

The most important feature of the year's operation on the Thunder Bay system was the inauguration at the beginning of the year of service in Fort William from the Cameron Falls development. The peak demand of Fort William was about 8,000 horsepower.

A new pulp and paper mill was placed in operation at Port Arthur and the capacity of one of the existing mills was practically doubled. One of the large pulp mills at Fort William was shut down for about one-half of the year for the purpose of constructing a large extension to its plant comprising a paper machine. Owing to the conditions of the pulp and paper market the pulp mill at Nipigon was closed down indefinitely and an extension of time for beginning operations was granted to another mill which has signed a contract for 22,000 horsepower at Port Arthur. Due to these circumstances, the construction of the new development at Alexander Landing which was started last year, has been deferred.

In spite of the closing down of these two pulp mills previously mentioned, the total load sold on the system during the year has increased by 6,600 horsepower over the previous year's total. The load sold at Port Arthur has, for the same period, increased by approximately 2,000 horsepower. The demand of Fort William at the end of the year was approximately 1,000 horsepower greater than at the beginning of the year.

Engineering assistance was rendered to the two principal municipalities comprising this system as follows:

Fort William—Service from the Cameron Falls development was given to this municipality for the first time during the year and this power was delivered on December 8, 1926. The new substation designed by the Commission's engineers and constructed under the Commission's supervision was placed in operation on the date when power was first delivered from this system. This new station completely replaces the one in use prior to the inauguration of "Hydro" service. Engineering assistance and advice was rendered to the municipality from time to time during the year concerning matters relating to the general operation of the system and the application of rates.

Port Arthur—The first unit of the new mill of the Thunder Bay Pulp & Paper Company was placed in operation during the year, having been connected to the local system in the month of July with an initial load approximating 5,000 horsepower. The contract for this load was closed with the assistance of the Commission and provides for the delivery of an additional block of power next year for the purpose of operating a second paper machine unit. Assistance was given to the local Commission and to the company in connection with the installation of a 110,000-volt substation. The ultimate capacity of this mill will be four units requiring in all from 20,000 to 30,000 horsepower. An addition to the plant of the Provincial Paper Mills Limited was completed and placed in operation during the year representing an increase in this company's demand of from 6,000 to 7,000 horsepower.

OTTAWA SYSTEM

Ottawa—Negotiations have been carried on during the year for a supply of power for eastern Ontario, and it will be possible with the completion of these to provide adequately for the growing load of the Ottawa Hydro-Electric System.

Richmond—The village of Richmond during the year, passed a "Hydro" by-law by a large majority and arrangements have been made to supply the village with power in 1928.

CENTRAL ONTARIO AND TRENT SYSTEM

During the year 1927 the demand for power has greatly increased on the Central Ontario and Trent system. This has been particularly noticeable in large industrial plants. Existing manufacturing concerns have in some cases increased their load by more than 50 per cent, while numerous inquiries have been received from new industries wishing to locate on the system. The growth of the domestic load has been considerably above the average during the year 1927.

Belleville—Increase in load has necessitated additional station capacity and the rebuilding of parts of the distribution system.

Cobourg—A considerable amount of reconstruction work on the older sections of the distribution system has been completed.

Napanee—Reconstruction of the distribution system to deal with increased domestic load has been undertaken during the year.

Oshawa—The capacity of the existing transformer station has been increased by 2,250 kv-a. to take care of the greatly increased load in this municipality while a new transformer station with an initial capacity of 3,000 kv-a. will be added in the near future. This increase in load has involved many changes in the distribution system and heavy feeders have been installed from the station to the General Motors plant.

Peterborough—Extensive changes to the street lighting system have been undertaken and a modern system has now been installed in the greater part of the town.

Trenton—Additions to the distribution system were made to serve new power consumers.

Whitby—This municipality was previously supplied by a 4,000-volt line from the Commission's Oshawa station but owing to the growth of load in Whitby, this line has become overloaded. The 44,000-volt line has therefore been extended from Oshawa to Whitby and a temporary 44,000-volt station now carries part of the load for this municipality. A new permanent 44,000-volt station will be built in the spring, capable of carrying the entire Whitby load.

NIPISSING SYSTEM

This system comprises the city of North Bay and the villages of Callander and Powassan. The negotiations begun last year covering the disposal of the local distribution systems to the municipalities, so that operations could be carried out in accordance with the Power Commission Act, were continued throughout the year. This system was originally acquired by the Province along with the properties of the Central Ontario system, and has been operated as such up to the present time, and the objective sought is an arrangement whereby service can be given by standard methods, in accordance with the Power Commission Act, under agreements with the Commission, with the developments and transmission lines operated and administered by the Commission on a copartnership basis, and the local distribution systems owned and operated by the municipalities. The load on this system has greatly increased during the year and arrangements are being made to construct and place in operation additional generating plant capacity during the coming year.

NEW ONTARIO DISTRICT

Various engineering advice and information in connection with operating matters were submitted to certain municipalities in the northern part of the Province. A report consisting of rate investigation covering proposed franchises between the Northern Ontario Light & Power Company and the municipalities of Cobalt, Englehart, Haileybury and New Liskeard was prepared and submitted. An investigation was also made at the request of and on behalf of the city of

Sault Ste. Marie and district concerning the possible sources from which power could be developed and delivered to that city. Three different sources were investigated, namely, the Mississagi and Montreal rivers and the rapids of the St. Mary's river inside the city limits. Reports and estimates covering power developments at these locations were submitted to the municipality. An investigation was also made concerning the delivery of power to the village of Gore Bay on Manitoulin island.

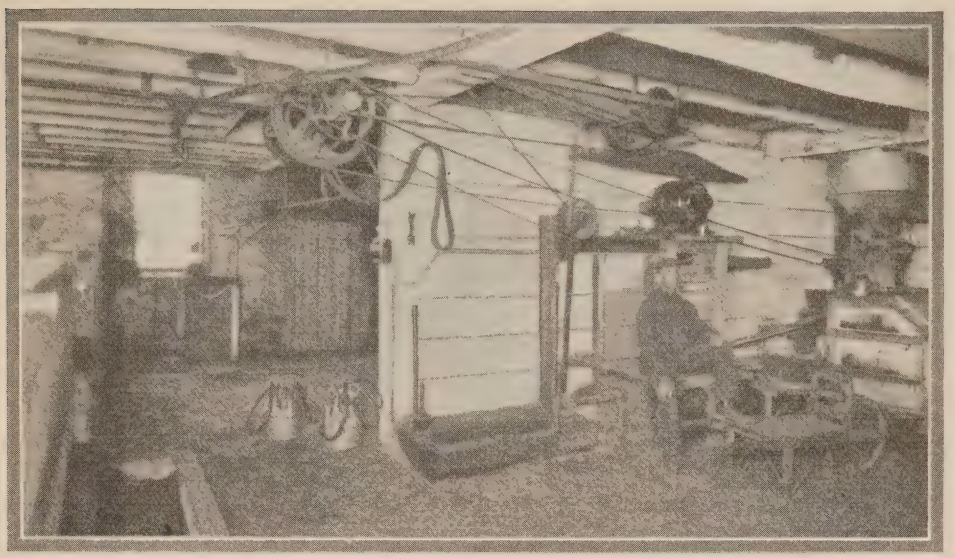
RURAL ELECTRICAL SERVICE

During the past year, the amount of constructional work carried out in the rural power districts exceeded substantially that of any previous year. Nearly 900 miles of primary transmission lines were constructed and electrical service was given to more than 6,400 additional consumers. The capital expenditure approved for rural construction work during the past year was $1,919,404, and the aggregate peak load in October, 1927, reached 13,273 horsepower. Details of these matters and of the present status of rural distribution are presented in the accompanying tables. For the coming year, arrangements have been made to construct about 1,000 miles of additional rural lines. It is anticipated, moreover, that this rate of construction will be maintained for several years.

The policy and practice of the Commission has been, and is, to make a distribution of electrical energy as widespread as possible, and to extend to every community that can economically be reached by transmission lines the benefit of electrical service. In harmony with this policy, the supplying of electrical service to rural districts has been undertaken according to a comprehensive and carefully thought-out programme. For the purpose of electrical service in rural Ontario, rural power districts are formed in the more closely-settled portions of the Province traversed by transmission lines. A typical rural power district covers about 100 square miles. Its boundaries are not arbitrary geographical limits—such as define, for example, the areas of townships—but depend rather upon the economic distances which may be served from a distribution centre of city, town or village. It should be appreciated that without such transmission networks as have been constructed to serve the cities and towns of the Province, any extensive rural electrification would be economically impracticable.

The experience gained by the Commission and the improvements in technique, enable electrical service to be given to rural districts when there can be secured three signed farm contracts, or their equivalent, per mile of line to be constructed.

The assistance given by the Province to farmers and rural residents in the form of a grant towards the capital cost of supplying electrical service is being made to the maximum amount provided for by the Power Commission Act, namely, fifty per cent of the cost of lines and secondary equipment. This assistance is in pursuance of a long-established governmental policy of promoting the basic industry of agriculture in various ways. This policy had previously found expression in the establishment of agricultural schools, colleges and experimental farms, in assistance for road building and in other ways. The grants-in-aid thus given make it possible to extend hydro-electrical power service to those engaged in and connected with agricultural pursuits in less densely populated districts where otherwise such service would not be financially feasible.



RURAL ELECTRICAL SERVICE IN ONTARIO

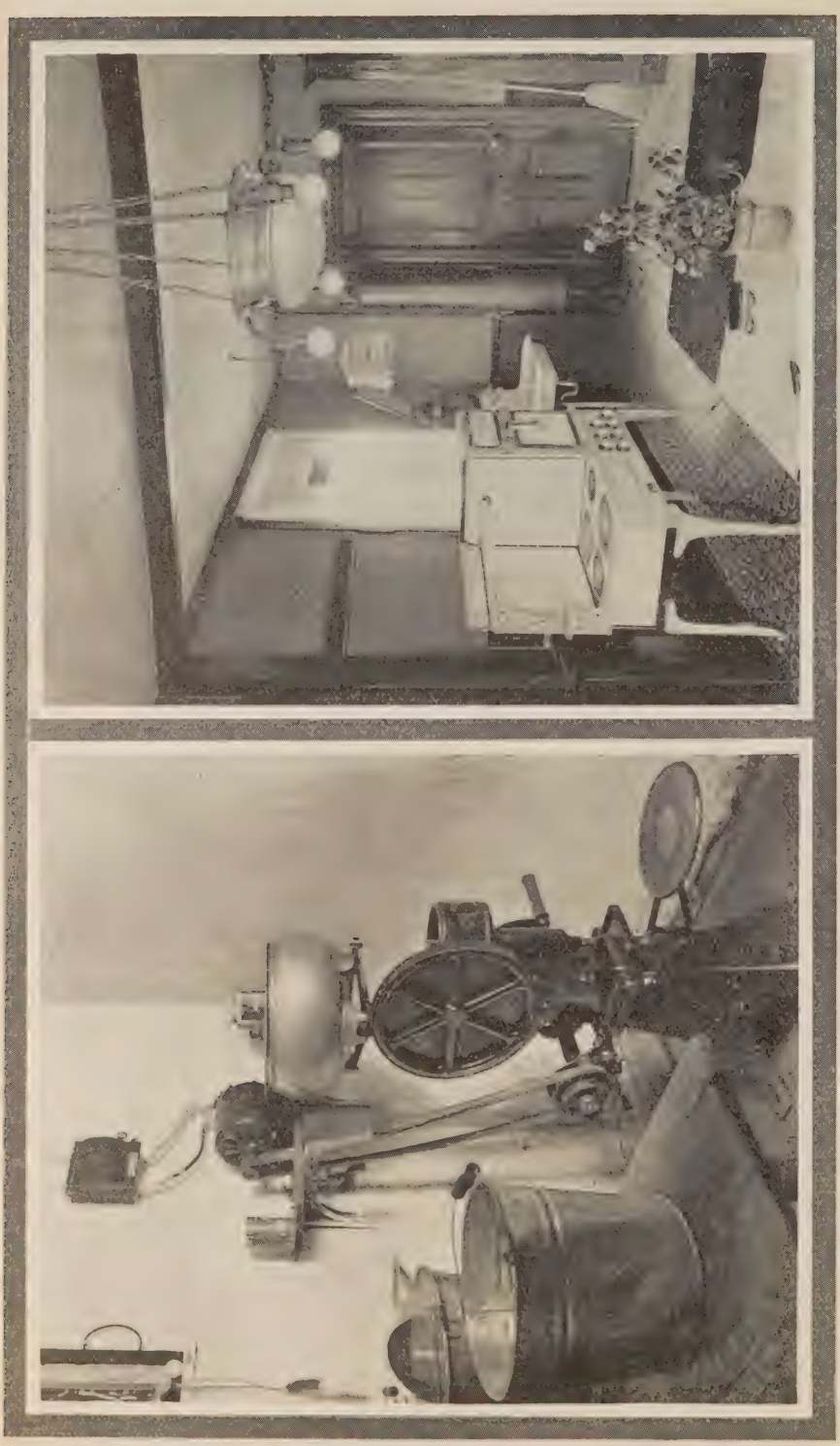
Extensive and efficient use of electrical service on an Ontario farm. A three-horsepower motor driving line shaft, chopper, grinder, drill, etc. Note efficient position of chopper set on feed box and below grain bin in granary above, making for practically automatic operation. Note also electric milking apparatus, on floor, and pump-rod driving-gear, above motor.

The extent and effect of the Province's financial assistance with respect to the distribution of power in rural districts should be clearly understood. The Government grant-in-aid relates to the initial *capital* investment. Having made its grant-in-aid, the government's participation in operations respecting the property to which the grant applies ceases. Each rural power district not only pays its cost of operation, maintenance and administration of these lines, but also sets up reserves for renewals, obsolescence and contingencies *on the whole* of the equipment and lines, as well as for sinking fund on the investment made by the Commission on behalf of the local authorities. The Provincial grant-in-aid is of special assistance when the initial financial investment for any rural power district is made.

The aggregate load distributed to the rural dwellers is, and possibly must always be, but a relatively small proportion of the total energy distributed by the Commission, and the Provincial grant towards the cost of rural service is of no advantage to the power system as a whole because the demand for power at present, apart altogether from the small amount distributed to the rural districts, is such as readily to absorb all the available supply. On the other hand, the beneficial influence of rural electrical service on agriculture is reflected in the prosperity and welfare of the Province as a whole, and is already a factor of importance and worth.

The Year's Activities

During the past year the engineers of the Commission attended a number of public meetings throughout the Province held for the specific purpose of



RURAL ELECTRICAL SERVICE IN ONTARIO

Half-horsepower motor in dairy belted to a cream separator as used on an Ontario farm.

Combined kitchen-living room in an Ontario farm home; showing electric range, hot-water tank and sink with hot and cold water.

explaining to prospective consumers the rates at which electrical power could be supplied, the uses which can be made of power on the farm and the procedure necessary to obtain service. In all fifty-four meetings were held. Where possible, moving pictures were shown, illustrating the uses of electricity on the farm. The provincial statutes relating to rural distribution were explained, pamphlets were distributed, and assistance was given to local committees appointed to canvass their respective districts.

The Commission also co-operated with the provincial Department of Agriculture by giving similar talks to students taking short-course lectures at the Agricultural College at Guelph and at other centres. Representatives of the Commission also attended provincial plowing matches and arranged to give information to a large number of interested farmers. The manufactures of electric motors and other equipment used in connection with power on the farm, co-operated with the Commission in giving demonstrations at various places, showing actually how power can advantageously be employed by the farmer.

During the past year, not only has the power taken by the rural power districts increased because of the increased mileage of transmission lines and the demand of the consumers connected to these new lines, but the demand for power has also increased due to the greater use of electricity on the farms already served and due also to the connection of new consumers to existing lines. Furthermore, many townships have installed—in districts where the conditions warranted—street lighting systems on the public highways. To supply these increased loads new substations have been constructed and the capacities and number of lines have been increased.

One of the most important factors in connection with rural power supply is the stability of the rates charged. Experience has led the Commission to adopt the safe policy of constructing additional rural lines only when sufficient contracts have been signed to guarantee payment of the fixed charges on the cost of the lines to be constructed; the minimum signed contracts required being three rural light or medium farm contracts, or their equivalent, per mile of line constructed.

The rates first submitted to the proposed consumers are, therefore, the maximum, and the rates in any rural power district may be and in practice frequently have been reduced from time to time as the number of consumers per mile of line constructed in the district increases above the required minimum.

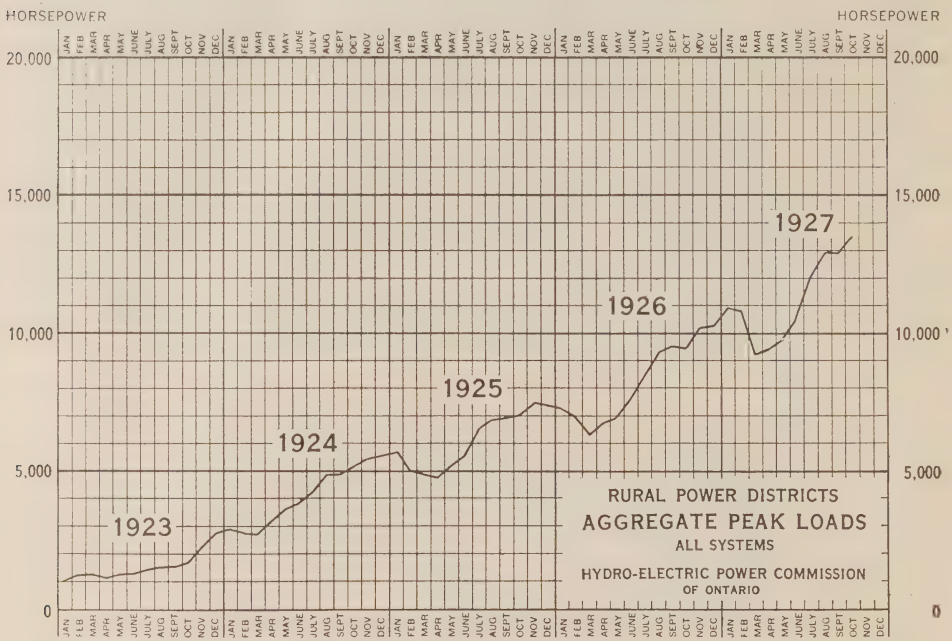
The service given by the Commission is "at cost" and the rate schedules are designed upon this basis. In practice, however, it is, obviously, sound practice to provide for a small surplus of revenue over estimated costs. Should greater use be made of the service than was anticipated, a greater revenue will result without proportionate increase in expenses; and therefore a greater surplus will also result. This has been the experience of the Commission in connection with the operation of rural power districts.

During the past year the Commission returned in cash to rural consumers approximately $230,000 which amount had been collected in excess of the actual cost of service in the various rural power districts. The significance of such rebates has been fully appreciated by the farmer and a considerable increase in demand for rural service has followed. As a result of the increase in the number of consumers on lines already constructed, it has in some cases been

possible to reduce the service charge to as low as 50 per cent of the standard service charge required where lines are constructed to serve on the basis of but three farm contracts per mile.

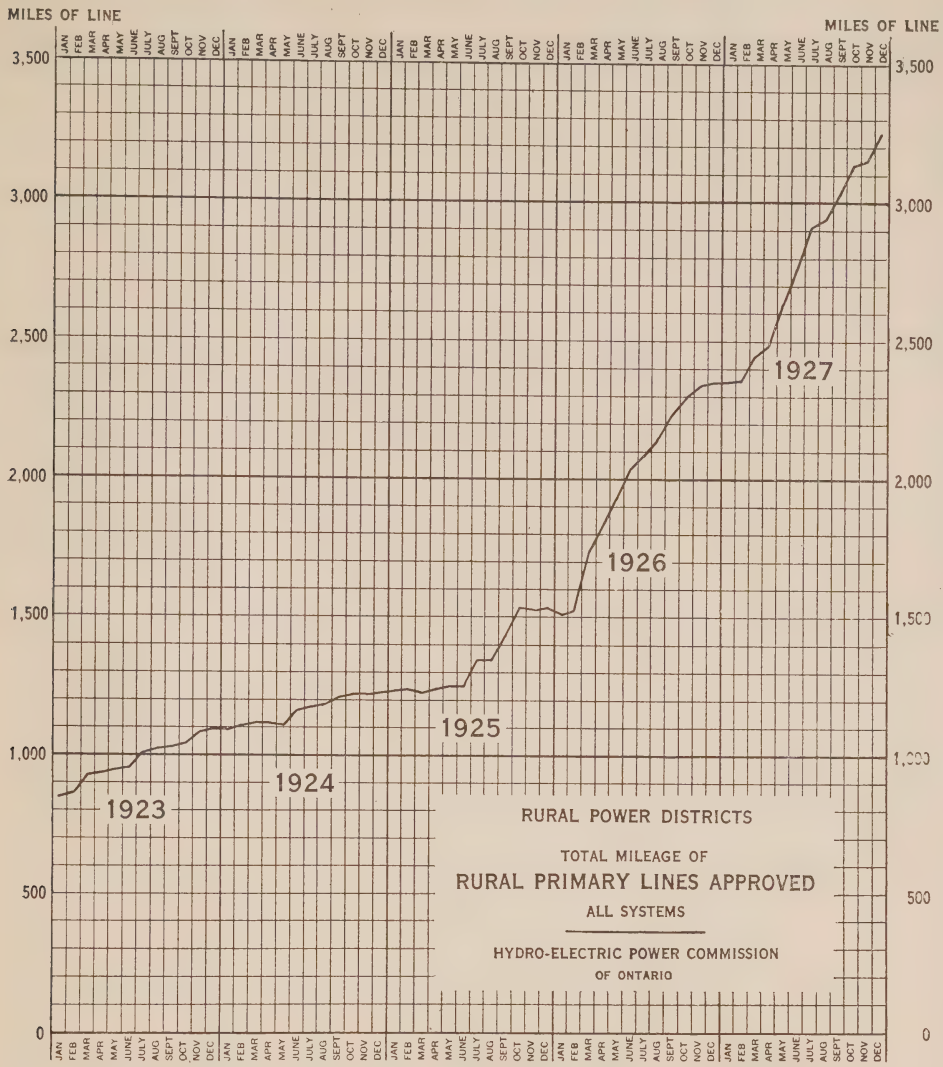
At the end of this section is given a tabulation of the rural power districts established in connection with the several systems of the Commission, which show the miles of line, the number of consumers and the rate schedules for each district.

The following tabulation shows in detail, the extensions approved during the year, the number of consumers, the amounts of power supplied, the capital expenditures and the amounts of Provincial grant-in-aid of rural lines approved by the Government.



RURAL LINE EXTENSIONS DURING THE YEAR 1927

System	Miles of primary line	Number of consumers			Power supplied in October, 1927	Capital approved for extension	
		Hamlet	Farm	Total		Total	Provincial grant
					h.p.	$ c.	$ c.
Niagara	775.48	1,970	2,822	4,792	11,585	1,673,464.17	836,732.08
Georgian Bay	33.75	213	93	306	367	75,027.00	37,513.50
St. Lawrence	12.62	28	31	59	137	28,141.00	14,070.50
Ottawa	11.16	65	22	87	295	22,997.00	11,498.50
Central Ontario and Trent	39.81	854	221	1,075	851	113,036.00	56,518.00
Nipissing	2.50	109	1	110	38	6,739.00	3,369.50
Total	875.32	3,239	3,190	6,429	13,273	1,919,404.17	959,702.08



SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921, to October 31, 1927

System	Miles of primary line	Number of consumers			Capital approved for extension	
		Hamlet	Farm	Total	Total	Provincial grant
					$ c.	$ c.
Niagara	2,762.70	12,785	8,772	21,557	5,907,561.44	2,953,780.71
Georgian Bay	109.15	715	262	977	235,363.82	108,167.70
St. Lawrence	64.41	281	113	394	122,554.45	61,277.22
Ottawa	70.26	228	185	413	129,555.53	64,777.76
Central Ontario and Trent	125.20	1,408	424	1,832	281,826.50	140,913.25
Nipissing	2.50	109	1	110	6,739.00	3,369.50
Total	3,134.22	15,526	9,757	25,283	6,683,600.74	3,332,286.14

NOTE: The Commission is now operating 120 rural power districts which comprise 211 townships in different parts of the Province.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1927

NIAGARA SYSTEM

Rural power district			Miles of line	No. of consumers	Rural rates: Class and gross monthly service charge 1B	1C	2A	2B	3	4	5	6A	6B	7A	7B	Gross consumption charge: 1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	Prompt payment discount
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	%
Niagara	N1	D1	39.34	184	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.40	6.20	8.10	9.90	3	2	10
Grantham	N1	D2	35.97	383	1.00	1.50	1.25	1.90	2.50	2.60	3.20	4.05	4.55	6.00	7.25	3	1.5	10
Jordan	N1	D3	16.56	109	1.05	1.90	1.30	2.00	2.65	2.75	3.35	4.25	4.80	6.30	7.65	3	1.5	10
Beamsville	N1	D4	75.41	554	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10
Welland	N1	D5	100.00	1,488	1.00	1.80	1.25	1.90	2.50	2.60	3.20	4.05	4.55	6.00	7.05	3.5	2	10
Stamford	N1	D6	6.88	215	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	3	1.5	10
Chippawa	N1	D7	8.73	94	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10
Dundas	N2	D1	51.13	412	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.40	6.20	8.10	9.90	3	1.5	10
Lynden	N2	D2	31.42	163	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	5	2	10
Waterdown	N2	D3	17.30	203	1.35	2.22	1.70	2.22	3.40	3.55	4.30	5.40	6.20	8.10	9.90	4	2	10
Caledonia	N2	D5	13.90	58	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10
Barton	N2	D7	9.45	74	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10
Haldimand	N2	D8	8.16	57	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	5	2	10
Markham	N3	D1	28.01	287	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	5	2	10
Scarboro	N3	D2	25.14	158	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	5	2	10
Bond Lake	N3	D3	44.31	672	1.25	2.30	1.60	2.40	3.20	3.35	4.05	5.15	5.80	7.65	9.25	4	2	10
Newmarket	N3	D4	9.80	134	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	6	2	10
Keswick	N3	D5	14.71	550	1.25	2.30	1.60	2.40	3.20	3.35	4.05	5.15	5.80	7.65	9.25	5	2	10
Dorchester	N4	D1	85.95	451	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	4	2	10
London	N4	D2	106.82	1,368	1.15	2.15	1.45	2.25	2.95	3.10	3.75	4.80	5.40	7.10	8.60	3	2	10
Delaware	N4	D3	73.06	418	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	5	2	10
Strathroy	N4	D4	6.22	43	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Lucan	N4	D5	16.05	71	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	6	2	10
Exeter	N4	D6	35.26	360	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	5	2	10
Georgetown	N5	D2	19.83	112	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	5	2	10
Guelph	N5	D3	15.26	83	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Elora	N5	D4	8.38	89	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10
Preston	N6	D1	57.59	564	1.60	3.00	2.00	3.10	4.10	4.30	5.20	.....	7.50	.....	11.90	3	2	10
Galt	N6	D2	18.99	191	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Baden	N7	D1	33.50	220	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	4	2	10

St. Jacobs	N7	D2	20.75	202	1.60	3.00	2.00	3.10	4.10	4.30	5.20	.....	7.50	.....	11.90	3	2	10
Elmira	N7	D3	3.50	31	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Tavistock	N8	D1	21.70	130	1.45	2.65	1.80	2.75	3.65	3.80	4.60	.....	6.65	8.60	10.55	5	2	10
Goderich	N8	D2	3.66	45	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Walton	N8	D3	14.06	96	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Stratford	N8	D4	18.25	157	1.15	2.15	1.45	2.35	3.00	3.10	3.75	4.80	5.40	7.10	8.60	4	2	10
Palmerston	N8	D6	.00	3	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Mitchell	N8	D7	19.20	153	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Listowel	N8	D8	24.90	133	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Milverton	N8	D9	13.83	67	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
St. Marys	N9	D1	10.75	35	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Norwich	N10	D1	73.06	327	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10
Woodstock	N10	D2	92.05	451	1.32	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.20	8.20	9.90	3	2	10
Ingersoll	N10	D3	34.46	137	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5.5	2	10
Tillsonburg	N10	D4	72.88	404	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	5	2	10
Embro	N10	D5	6.08	21	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
St. Thomas	N11	D1	63.04	649	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	3	2	10
Aylmer	N11	D2	63.80	340	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Dutton	N11	D3	9.38	61	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Brant	N12	D1	44.83	220	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	3	1.5	10
Burford	N12	D2	11.57	80	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Waterford	N12	D3	20.30	59	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Ayr	N12	D4	6.60	30	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Drumbo	N12	D5	16.50	129	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10
Simcoe	N12	D6	20.32	135	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10
Walsingham	N12	D7	9.05	66	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Streetsville	N13	D1	40.59	199	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Brampton	N13	D2	20.14	73	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Milton	N13	D3	26.01	154	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Chatham	N14	D1	68.94	363	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	4	2	10
Ridgetown	N14	D2	53.36	409	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	4	2	10
Blenheim	N14	D3	27.24	130	1.45	2.65	1.80	2.75	3.65	3.80	4.60	5.90	6.65	8.70	10.55	4	2	10
Brigden	N14	D8	12.10	39	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Oil Springs	N14	D9	10.63	84	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	6	2	10
Bothwell	N14	D10	10.12	47	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Thamesville	N14	D11	13.50	92	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Wallaceburg	N14	D13	38.31	294	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	4	2	10
Tilbury	N14	D14	26.87	129	1.70	3.15	2.15	3.30	4.35	4.50	5.55	7.00	7.90	10.40	12.55	5	2	10
Sandwich	N15	D1	85.49	1,537	1.15	2.15	1.45	2.25	2.95	3.10	3.75	4.80	5.40	7.10	8.60	4	2	10
Belle River	N15	D2	22.48	216	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.40	.....	8.10	.....	5	2	10
Amherstburg	N15	D3	35.62	379	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.40	.....	8.10	.....	5	2	10
Harrow	N15	D4	33.78	260	1.60	3.00	2.00	3.10	4.10	4.30	5.20	6.60	7.50	9.80	11.90	6	2	10
Kingsville	N15	D5	61.20	809	1.00	1.80	1.25	2.00	2.75	2.85	3.45	4.40	5.00	6.55	7.95	4	2	10
Essex	N15	D7	43.76	222	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	5	2	10
Woodbridge	N16	D1	88.08	551	1.50	2.80	1.90	2.95	3.85	4.05	4.90	6.25	7.05	9.30	11.20	4	2	10

RURAL POWER DISTRICTS—MILES OF LINES, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1927

NIAGARA SYSTEM—Continued

Rural power district	Miles of line	No. of consumers	Rural rates: Class and gross monthly service charge 1B	1C	2A	2B	3	4	5	6A	6B	7A	7B	Gross consumption charge: 1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	Prompt payment discount
			$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	%
Bolton..... N16 D2	10.53	44	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Saltfleet..... N17 D1	71.20	829	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.40	6.20	8.10	9.90	3	1.5	10
Sarnia..... N18 D4	63.35	749	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	.....	8.20	.....	4	2	10
Petrolia..... N18 D5	.66	7	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Forest..... N18 D6	3.75	15	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Total, Niagara System.....	2,575.36	21,557														

GEORGIAN BAY SYSTEM

Flesherton..... E1 D1	1.56	20	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6.5	2	10
Markdale..... E1 D2	1.22	2	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Neustadt..... E8 D1	.33	1	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6.5	2	10
Shelburne..... E10 D1	2.30	10	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Orangeville..... E12 D1	8.20	19	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Tara..... E15 D1	.00	2	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Lucknow..... E24 D1	.00	1	1.60	2.95	2.00	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	8	2	10
Ripley..... E24 D2	.00	2	1.60	2.95	2.00	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	8	2	10
Walkerton Quarry. E26 D1	1.60	5	1.60	2.95	2.00	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	6	2	10
Barrie..... S4 D1	8.01	71	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Nottawasaga..... S5 D1	7.75	80	1.25	2.30	1.60	2.40	3.20	3.30	4.00	5.15	5.80	7.65	9.25	5	2	10
Elmvale..... S7 D1	.00	21	1.50	2.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.5	2	10
Stayner..... S10 D1	11.84	299	1.39	3.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.5	2	10
Beeton..... S33 D1	.33	1	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8	2	10
Sparrow Lake..... W1 D1	14.33	127	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Georgina..... W2 D2	9.50	85	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Cannington No. 1. W3 D1	3.25	22	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Cannington No. 2. W3 D2	4.00	19	1.45	2.65	1.80	2.75	3.65	3.80	4.60	.....	6.45	.....	.....	6	2	10
Uxbridge..... W7 D1	1.00	7	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Port Perry..... W7 D2	2.30	42	1.20	2.20	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Mariposa..... W7 D1	19.86	141	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	6	2	10
Total, Georgian Bay System	97.38	977														

ST. LAWRENCE SYSTEM

Prescott	L2	D1	16.35	74	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	7	2	10
Brockville	L3	D1	6.40	41	1.60	2.95	2.05	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	6	2	10
Chesterville	L5	D1	19.17	111	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	9	2	10
Williamsburg	L7	D1	1.84	6	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8.5	2	10
Martintown	L13	D1	9.25	80	1.83	3.18	2.35	3.92	5.16	5.56	7.04	8.70	10.72	12.93	15.75	8	2	10
Apple Hill	L14	D1	10.60	82	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	8.5	2	10
Total, St. Lawrence System.			63.61	394														

OTTAWA SYSTEM

Nepean	T1	D1	69.38	413	1.60	2.95	2.05	3.10	4.10	4.30	5.20	6.60	7.45	9.80	11.90	3	1.5	10

CENTRAL ONTARIO AND TRENT SYSTEM

Colborne	C7	D1	9.50	68	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Campbellford	C11	D1	11.25	31	1.22	2.20	1.69	3.01	4.19	4.36	5.03	.....	7.92	.....	11.76	6	2	10
Cobourg	C13	D1	5.73	31	1.35	2.47	1.69	2.59	3.41	3.56	4.31	.....	6.22	.....	9.90	5	2	10
Port Hope	C16	D1	6.20	23	1.80	3.30	2.25	3.45	4.45	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Peterboro	C20	D1	11.57	637	.63	1.16	.79	1.21	1.59	1.66	2.01	2.57	2.91	3.81	4.62	4	2	10
Newcastle	C22	D1	1.25	4	1.35	2.50	1.70	2.60	3.40	3.55	4.30	5.50	6.25	8.20	9.90	6	2	10
Bowmanville	C23	D1	.50	3	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Oshawa	C24	D1	35.55	490	1.20	2.15	1.45	2.25	2.95	3.10	3.75	4.80	5.40	7.10	8.60	4	2	10
Pickering	C24	D2	6.97	102	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Trenton	C37	D1	1.80	26	1.35	2.47	1.69	2.59	3.41	3.56	4.31	.....	6.22	.....	9.90	5	2	10
Belleville	C38	D1	10.82	316	1.20	2.15	1.45	2.25	2.95	3.10	3.75	4.80	5.40	7.10	8.60	5	2	10
Napanee	C43	D1	1.00	3	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	6	2	10
Kingston	C44	D1	10.93	93	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13.20	5	2	10
Wellington	C45	D1	.48	5	1.80	3.30	2.25	3.45	4.55	4.75	5.75	7.35	8.30	10.90	13,20	6	2	10
Total, Central Ontario and Trent System			113.55	1,832														

NIPISSING SYSTEM

North Bay	Z4	D1	2.50	110	1.10	2.00	1.35	2.10	2.75	2.85	3.45	4.45	5.00	6.55	7.95	7	2	10

Total all systems: Miles of line..... 2,921.78 Number of consumers..... 25,283

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under twelve general classes with limitations as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting	0.75	1	110	15
1C	" "	2	1	220/110	35
2A	House Lighting	1	1	110	20
2B	Small Farm Service	2	1	220/110	35
3	Light Farm Service	3	1	220/110	35
4	Medium Farm Service	5	1	220/110	50
5	" " "	5	3	220/110	35
6A	Heavy Farm Service	9	1	220/110	100
6B	" " "	9	1 and 3	220/110	60
7A	Special Farm Service	15	1	220/110	According to load
7B	" " "	15	1 and 3	220/110	According to load
8	Syndicate Outfits	..	..	.....	.....

Class I: Hamlet Service—Includes service in hamlets, where four or more consumers are served from one transformer. This class excludes farmers and power users. Service is given under two sub-classes as follows:

Class 1-B: Service to residences or stores. Use of appliances over 750 watts permanently installed is not permitted under this class.

Class 1-C: Service to residences or stores with electric range or permanently installed appliances greater than 750 watts. Combinations of residence and store supplied from one service shall be not less than Class 1-C. Special or unusual loads will be treated specially.

Class II-A: House Lighting—Includes service to all residences that cannot be grouped as in Class I. This class excludes farmers and power users.

Class II-B: Farm Service, Small—Includes service for lighting of buildings and power for miscellaneous small equipment and power for a single-phase motor not exceeding 2 horsepower or an electric range (motor and range not to be used simultaneously) on a small farm of fifty acres or less.

Class III: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for single-phase motors not exceeding 3 horsepower and electric range. Range and motor are not to be used simultaneously.

Class IV: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for single-phase motors up to 5-horsepower demand or an electric range. Range and motor are not to be used simultaneously.

Class V: Farm Service, Medium 3-Phase—Includes service for lighting farm buildings and power for miscellaneous small equipment, power for 3-phase motors, up to 5-horsepower demand, or an electric range. Range and motor are not to be used simultaneously.

Class VI: Farm Service, Heavy—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service, will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Class VII: Farm Service, Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single or three-phase service will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Class VIII: Syndicate Outfits—Any consumers with contracts in any of the foregoing farm classes may, with the approval of the Hydro-Electric Power Commission of Ontario, form a syndicate under a separate contract for the purpose of operating jointly a syndicate outfit provided the summation of their relative class demands is not less than the capacity of the syndicate motor.

SECTION IV

HYDRAULIC ENGINEERING AND CONSTRUCTION

In the annual report for the fiscal year 1926, reference was made to the extension of the construction railway undercrossing at the Canadian National Railways on the Queenston-Chippawa development, and to further power development at Camp Alexander on the Nipigon river. The former work was completed early in the fiscal year of 1926, and a further extension to this undercrossing is now being planned for the immediate future, while construction activities on the Alexander power development have been carried on vigorously throughout the year.

Detailed topographical surveys of power sites have been continued on the South Muskoka river of the Georgian Bay system, and reconnaissance surveys have been made on the Mississagi and Montreal rivers, tributary to lake Huron and lake Superior respectively, in the Algoma district.

Various proposals for the improved distribution of flow over the crest of the Horseshoe Falls of the Niagara river have been studied, with a view to arresting erosion and preserving the scenic beauty.

Marked progress has been made preparatory to the development of storage for the regulation of flow on the lower Trent river. The final result of the studies is expected to provide conservation of floodwater flow for use during periods of minimum run-off from the watershed.

Following, is a more detailed description of the work carried out under the jurisdiction of the Hydraulic department during the fiscal year ending October 31, 1927.

NIAGARA SYSTEM

Queenston-Chippawa Development

Since completion of the full installation of nine units in the Queenston power house, the development has successfully met all demands without any interruption of moment, and has carried a peak load of 540,000 horsepower on several occasions.

Construction work on the development has been of a relatively minor nature, but has covered a wide range of activities.

Bronze runners have been purchased for units Nos. 1 and 2, and the latter unit has been equipped with one of the new runners.

A device has been added to the governors which allows the synchronizing of units without the personal attention of an operator.

In order to protect the concrete piers supporting the steel, double-track bridge carrying the main line of the Michigan Central Railroad over the canal near Montrose, a contract was let to the Ontario Construction Company to place stone rip-rap around the bases of those piers affected by the flow in the canal. This work was completed during the open season of this year.

Certain stretches of the canal side slopes in the earth section have been subject to erosion by rain and wash from the canal. To prevent this erosion, a system of willow planting has been carried out. This work was done under contract by Mr. O. S. Scheifele, during the early summer, and considerable growth has already taken place.

Five gauge wells and housings have been provided along the canal, in which audible water level recorders have been installed. These instruments are connected to the automatic telephone system and permit observations in the control rooms, of water levels at various points along the canal.

A certain amount of land, originally purchased for the canal right-of-way, and now lying outside the immediate boundaries required for the canal proper, has been sold "en bloc." This reduces the acreage of the development subject to taxation and maintenance.

Bridges

In the report for the year 1926, reference was made to the extension of the construction railway undercrossing at the intersection of the Canadian National Railways' main line and the canal. This work was completed early in the year and is now in service.

Toronto Power Development

A device, similar to that used at the Queenston generating station, has been added to the governors to facilitate synchronizing of units.

GEORGIAN BAY SYSTEM

Hanna Chute Development

This plant was placed in commercial service on October 22, 1926, and since that time has been operating successfully. This is the third development built by the Commission for operation by remote control, and it has satisfactorily met all operating requirements. The major controlling station is the South Falls plant, situated about a third of a mile downstream. These stations have to be operated in close conjunction with each other, in order to utilize economically the flow of the river; the unit at Hanna Chute discharging directly into the limited headpond of the South Falls plant. The pondage above Hanna Chute extends about one and one-half miles up the river to the foot of Trethewey Falls, and forms a very efficient regulating pool for both plants.

QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Interior of generating station as completed for nine units
Note the ceiling lights

Eugenia Falls Development

This station is served by two pipe lines, each consisting of a section of woodstave pipe extending from the intake to the surge tank, and a riveted steel section extending from the surge tank to the power house. These pipes emerge from the intake into a deep cut, the banks of which are readily eroded by spring and fall rains. In order to reduce or eliminate altogether the heavy maintenance on these slopes, pipe line No. 2 has been encased in concrete throughout the length of the deep cut, in such a manner as to form a substantial retaining wall at the toe of the sloughing bank for that side of the cut. This concrete casing will undoubtedly add greatly to the life of the woodstave pipe. The opposite bank, adjacent to pipe line No. 1, was sloped back from its original lines some years ago, and requires very little maintenance.

THUNDER BAY SYSTEM

Cameron Falls Development

At Cameron Falls development, No. 5 turbine has been dismantled, due to a broken runner. Two new runners to replace those of units Nos. 5 and 6 have been supplied by the contractor and have arrived at the plant.

An additional pumping unit for the governor pressure system has been purchased and, along with the necessary piping, etc., has been delivered at the power house.

Alexander Power Development

Active construction has been underway throughout the year at this development, which is situated on the Nipigon river about one and a half miles below the Cameron Falls generating station.

The cofferdam for the diversion of the river past the site of the earth dam, has been practically completed on each side of the main channel of the river, and is ready for closure. The diversion canal to carry the water to the lower river, together with the concrete control works has been completed.

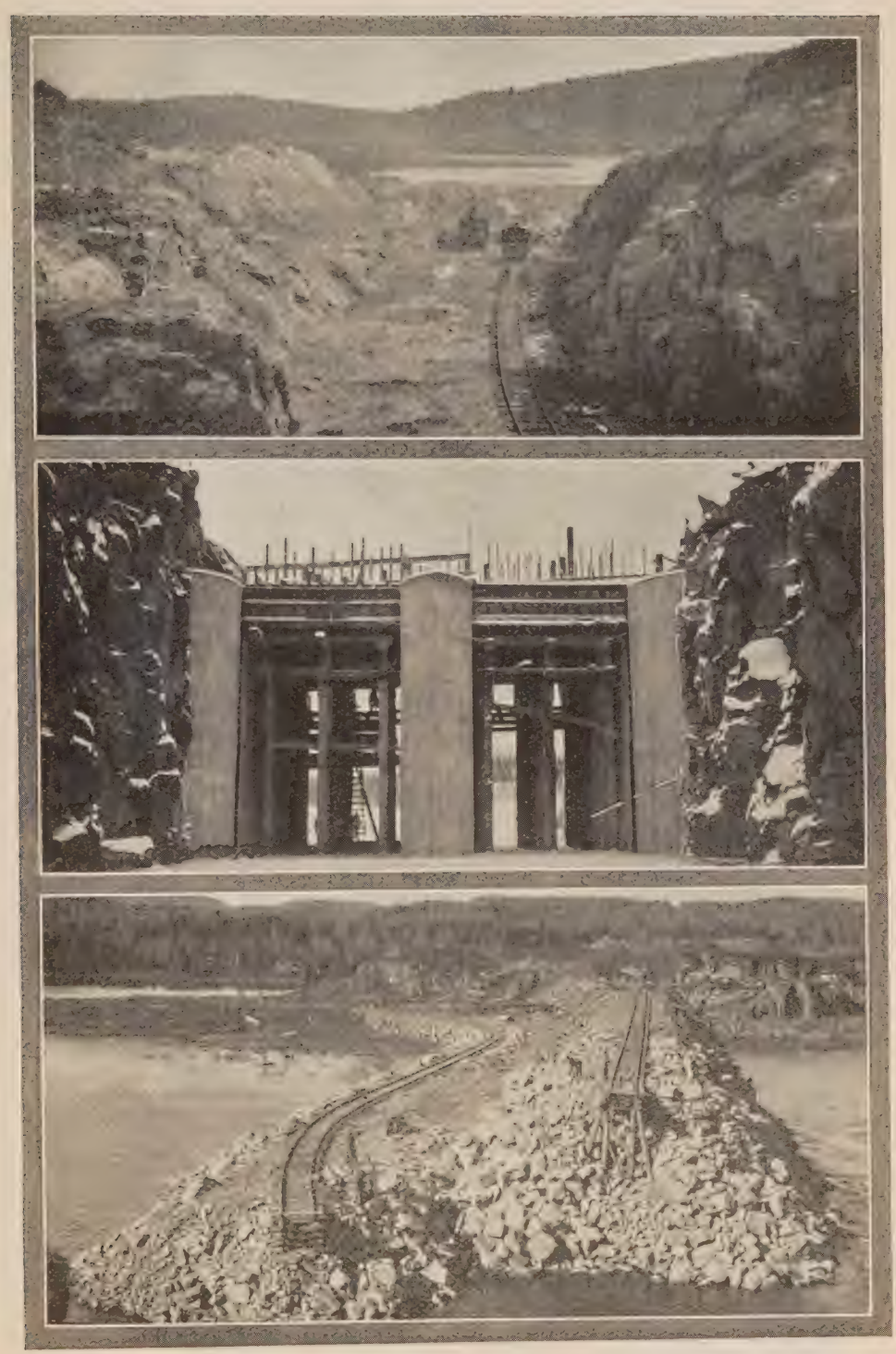
The cofferdam for the power house has been about 50 per cent completed.

The rock excavation in the forebay has been practically completed, while the power house area has been excavated to within approximately 9 feet of tail-water level.

About 70,000 cubic yards of rock fill have been placed in the toe of the main dam. This fill extends into the river from the west bank, leaving a channel approximately 90 feet wide to accommodate the flow.

An extensive series of borings and test pits has been sunk for the several purposes of determining suitable foundations, available sources of fine and coarse concrete aggregate, and the class of materials available for the earth fill section of the main dam. Analyses of these various borings have been carried out by the Commission's engineers, to establish their relative suitabilities for the work for which they are proposed.

The Construction department of the Commission is carrying out the construction work of the development, and early in the fiscal year employed a



ALEXANDER POWER DEVELOPMENT—NIPIGON RIVER
(a) Excavation for diversion canal
(b) Control sluices for diversion canal
(c) Main dam rock fill

force of about 450 men. Since January, 1927, the work has been carried on with an average force of about 250 men.

Early in the fiscal year, the contract for three 18,000 B.H.P. turbines was let to S. Morgan Smith-Inglis Company, Limited, of Toronto.

In the office, the design and drawings are well in advance of the work in the field.

CENTRAL ONTARIO AND TRENT SYSTEM

At Ranney Falls generating station, two new guide bearings have been provided. The units have been re-aligned and minor alterations have been made on the regulating rings to improve the action of the governors.

HYDRAULIC INVESTIGATIONS AND TESTS

Niagara System

Studies have been progressing with regard to the various proposals for better distribution of flow over the crest of the Horseshoe Falls on the Niagara river. Any work required for this purpose is unusually hazardous, and the details of actual construction have to be given first consideration in the proposed plans.

As the crest line of the falls recedes, the length is thereby increased, resulting in a lower elevation of the water surface at the crest line. It naturally follows from this that the amount of water passing over the higher portions of the crest near the shore is lessened and the appearance and scenic beauty of the falls as a whole is thereby impaired. It is with a view to improving these conditions and arresting the progress of erosion that these studies have been carried out.

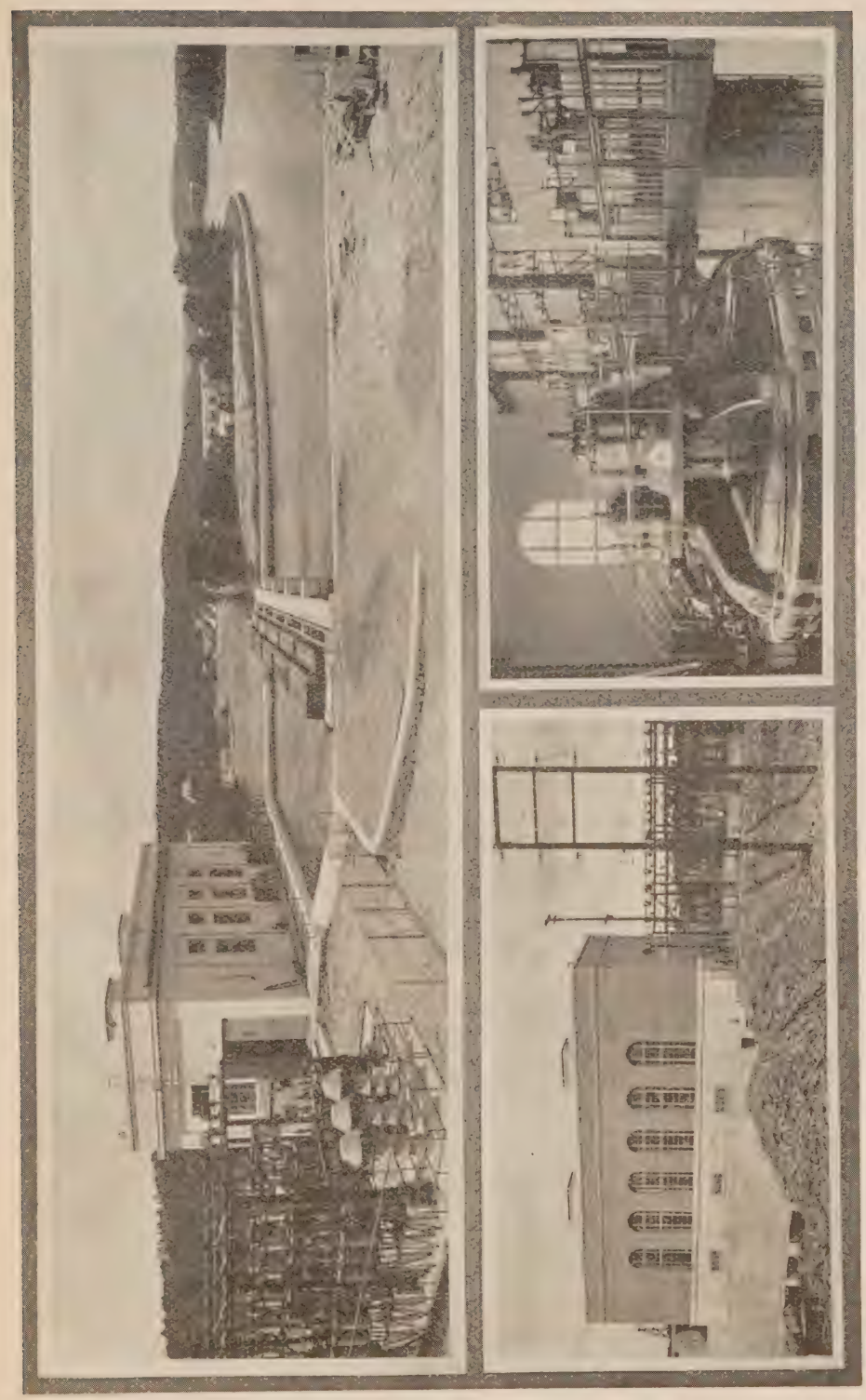
The International Niagara Control Board has been enlarged, and has under consideration the inter-related problems of preservation of the falls, diversion of water for development of power and compensation of river levels for diversions. As the Commission is vitally interested in certain of these problems, and has for years collected data of value in connection therewith, a very considerable amount of work has been done in co-operation with the Control Board. Much labour has been involved in collecting information from the records of the Commission, of the Toronto Power Company and of the Ontario Power Company, to assist the Board in its studies. Reports and estimates have been prepared, covering suggested methods of improvement on the Canadian channels.

Slope observations and flow measurements of the Queenston-Chippawa canal were continued.

Georgian Bay System

Detailed topographical surveys, inaugurated during the fiscal year of 1926, covering the South Muskoka river from Hanna Chute to Lake of Bays, have been completed. In the office, studies are being made to determine the feasibility of development at the various sites on the river

Hydraulic tests were carried out on the Hanna Chute and South Falls plants. The main objective was the derivation of plant ratings, to permit collection of flow records and co-relation of operation of the two plants, and,



DAM No. 9 DEVELOPMENT—TRENT RIVER
Panoramic view of intake canal and power house

DAM No. 8 DEVELOPMENT—TRENT RIVER
Interior view

DAM No. 8 DEVELOPMENT—TRENT RIVER
View looking upstream

for Hanna Chute, the determination of the efficiency of the hydraulic equipment. The Hanna Chute plant, having an open flume setting, required the use of current meters for measurement of water.

The tests on units Nos. 1 and 3 at South Falls were made by the Gibson method, which has been described in earlier annual reports. On unit No. 2, the discharge was measured by injecting a charge of colouring matter (fluorescin) into the penstock near the headworks, and noting the time required for the colour to traverse the remaining length of the penstock.

St. Lawrence System

During the winter of 1926-27 the studies of ice conditions on the international section of the St. Lawrence were continued. These studies included the gathering of data relating to water and air temperatures, to the formation and movement of ice and to surface slopes in the different channels. Measurements were taken of the total discharge of the river above Prescott. Observations of volocities and flow at critical sections were made, and gauge records were secured during the open water months.

In the office, the data secured has been studied, and detailed estimates of several schemes of development have been made.

Central Ontario System

Hydraulic rating tests were made on the units at the Ranney Falls plant, and similar tests were carried out at the new hydraulic plant of the Northumberland Paper and Electric Company. The latter draws its water supply from the forebay of the Commission's Ranney Falls plant, under an agreement which limits the amount of water that may be used. Tests and inspection of the plant are necessary, therefore, in order to measure the quantity of water being used by the plant.

Ottawa System

A large amount of work has been done in the office on flow and storage calculations at the various sites on the Ottawa river.

Nipissing System

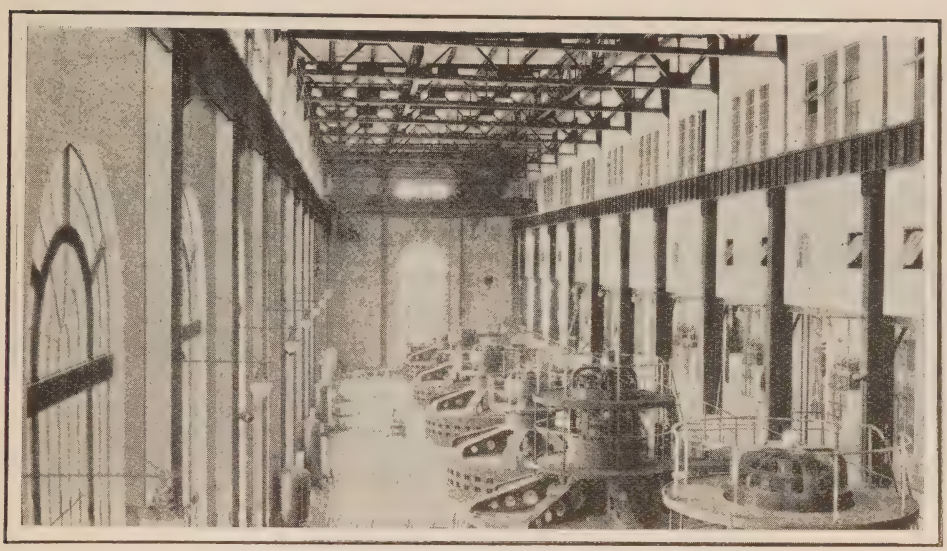
Hydraulic tests were carried out at the Bingham Chute and Nipissing plants, to permit the collection of flow records and to assist in the co-relation of operation at these plants.

Due to the increasing power demand on the system the installed capacity of the existing plants is only slightly in excess of the peak loads, and to provide for future growth it will be necessary to add to the generating capacity of the system. As a result of a careful investigation of the sites available, it has been found that Elliott's Chute offers the most satisfactory and economical site for development within reasonable transmission distance from the market.

Mississagi River

During the summer a reconnaissance survey was made of that section of the river between its mouth and Aubrey Falls, a distance of about 90 miles. This river is one of the largest in the district of Algoma, having a drainage area of approximately 3,700 square miles, and practically all of this basin lies in rough uninhabited country.

A continuous line of levels was run, and bench marks established at short intervals for the whole distance.



NIPIGON RIVER POWER DEVELOPMENTS

Interior of Cameron Falls generating station as completed for six units. Supplies Thunder Bay system, including cities of Port Arthur and Fort William

The total fall in the river from Aubrey Falls to lake Huron was found to be about 535 feet, made up mostly of rapids and small falls. By concentrating several of these rapids and falls at different points, commercially feasible heads up to 160 feet can be attained, and a great part of the total drop made available for development. Preliminary surveys were made of all the possible concentrations, and sufficient data obtained, so that satisfactory estimates of the cost of development can be made in each case.

Montreal River

A reconnaissance survey was also made of the Montreal river, between its crossing with the Algoma Central and Hudson Bay Railway and the mouth, a distance of twelve miles.

This river lies in the district of Algoma, approximately 65 miles north of Sault Ste. Marie, and has a drainage area of 965 square miles. The country drained is extremely rugged, and is to all intents and purposes uninhabited. The stream is one of those known as "flashy," the ratio of high to low flow being 130 to 1, which means that any scheme of power development would probably involve the provision of storage to regulate the flow.

The power sites, known as the Upper Falls and Lower Falls, were investigated in this reach of the river. The Upper Falls is at the crossing of the Algoma Central railway, and has a natural head of 168 feet, which may be increased to 190 feet or more. The Lower Falls site is practically on the shore of lake Superior, and about 12 miles downstream from the Upper Falls. It is very similar to the Upper Falls, both as to natural and artificial heads.

In reply to a request from the municipality of Sault Ste. Marie, a preliminary report covering the available sources of power on the Mississagi, Montreal and St. Mary's rivers has been prepared and submitted.

SECTION V

ELECTRICAL ENGINEERING AND CONSTRUCTION
(STATION SECTION)

NIAGARA SYSTEM

Generating Stations on the Niagara River

No new construction work was undertaken at the generating stations. At Queenston generating station armature winding connection changes on No. 1 generator, the last to be changed, were completed. Certain work in hand at the first of the year has been completed in addition to some minor betterments, such as added telephone equipment.

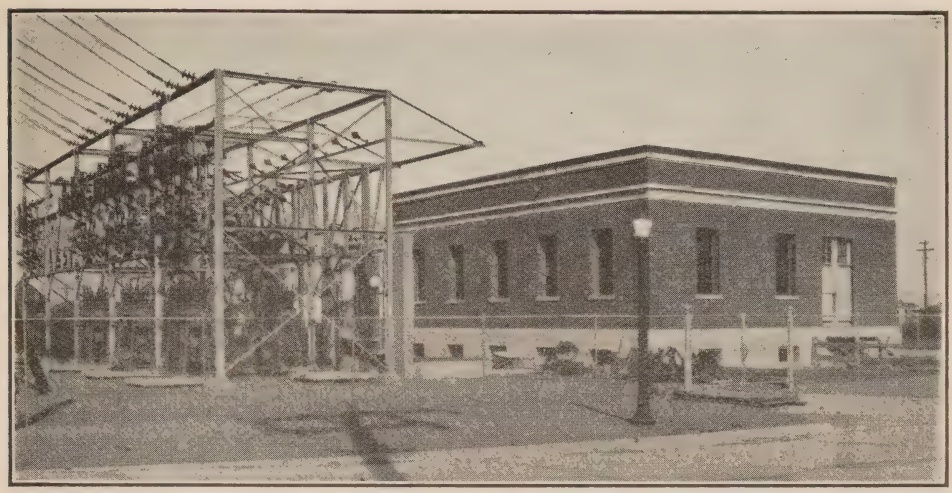
Transformer and Distributing Stations

Niagara District—In the step-up transformer stations at Niagara Falls, switching facilities were arranged to allow power to be fed from Queenston generating station to supply the 60,000-volt load to the Niagara peninsula and also to allow power to be fed from the Toronto Power plant to the 110,000-volt system through the Niagara transformer station.

With respect to the step-down transformer stations, a 750-kv-a. transformer, providing additional capacity, was installed at Merritton municipal station and engineering assistance was given to the municipality of Niagara Falls in the purchase of one 3,000-kv-a. transformer and switching apparatus for Niagara Falls municipal station No. 2. Three new 2,300-volt feeders were installed in Niagara-on-the-Lake municipal station and relays were replaced at Welland municipal station. Equipment was installed in the respective stations for metering the power to Niagara-on-the-Lake, Merritton, and Niagara Falls No. 2 municipal stations, also at Port Colborne distributing station for the Welland rural power load.

Hamilton and Dundas District—A new 5,000-kv-a. transformer is being purchased for Hamilton transformer station as a spare unit in this district. At Hagersville distributing station, increased transformer capacity was provided by replacing the 300-kv-a. transformer bank with a bank of three 250-kv-a. transformers.

Toronto and York District—Preliminary arrangements for the receiving station at Toronto for power from the Gatineau river development to the Niagara system at Toronto have practically been completed. Conferences have been



WINDSOR MUNICIPAL STATION No. 3

As viewed from the north-west, showing 26,000-volt outdoor structure and building to house 4,000-volt equipment

held with engineers of the Gatineau Power Company and of the Toronto Hydro-Electric System respecting the characteristics of equipment. Engineering work covering the buildings, structures and equipment for the initial installation is proceeding. A site of approximately fifteen acres at Leaside has been purchased. Orders have been placed for seven 15,000-kv-a., 220,000/110,000/13,200-volt, three-winding, single-phase transformers and three 800-ampere, 220,000-volt, oil circuit-breakers and tenders have been called for other equipment.

Foundations have been constructed for a fourth bank of transformers at Toronto Wiltshire transformer station. Connections were also made at Toronto Bridgman transformer station from No. 3 transformer bank to the 13,200-volt bus.

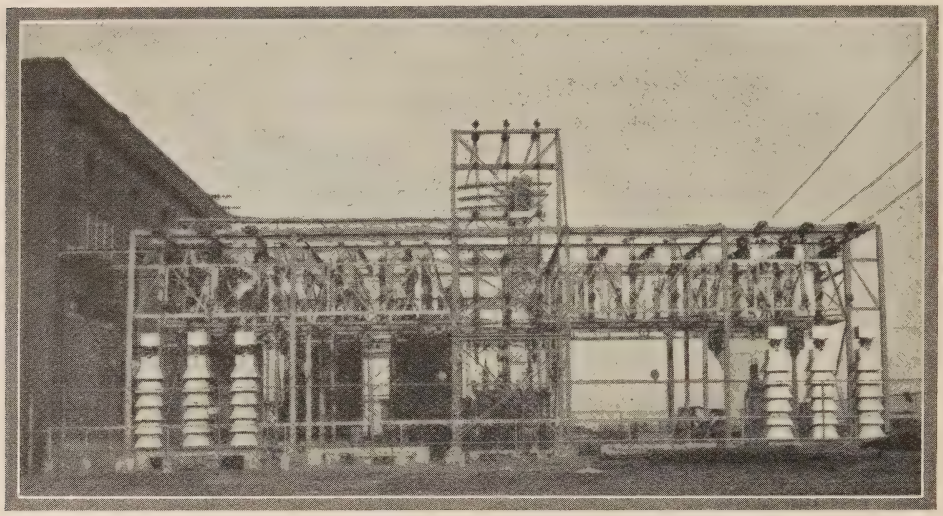
London District—A new 225-kv-a. distributing station was installed at Thamesford and increased transformer capacity provided at Delaware distributing station by the installation of three 100-kv-a. transformers replacing three 50-kv-a. transformers.

Guelph District—An additional 13,200-volt feeder was installed and connected to the bus in Guelph transformer station and improvements to two 110,000-volt oil breakers were made.

Engineering assistance was given to the municipality of Guelph in the purchase of two 750-kv-a. transformers and in the design of two step-down stations.

At Acton distributing station the low voltage feeders were changed from 2,300 to 4,000-volt operation.

Preston District—Additional transformer capacity was provided by the installation of four 2,850-kv-a. transformers in Preston transformer station to replace four 1,250-kv-a. transformers.



ESSEX TRANSFORMER STATION

The 26,000-volt structure as viewed from the west

Stratford District—Improvements at Stratford transformer station include the installation of a bus tie breaker and the construction of a cooling pond with connection to the pump in the station.

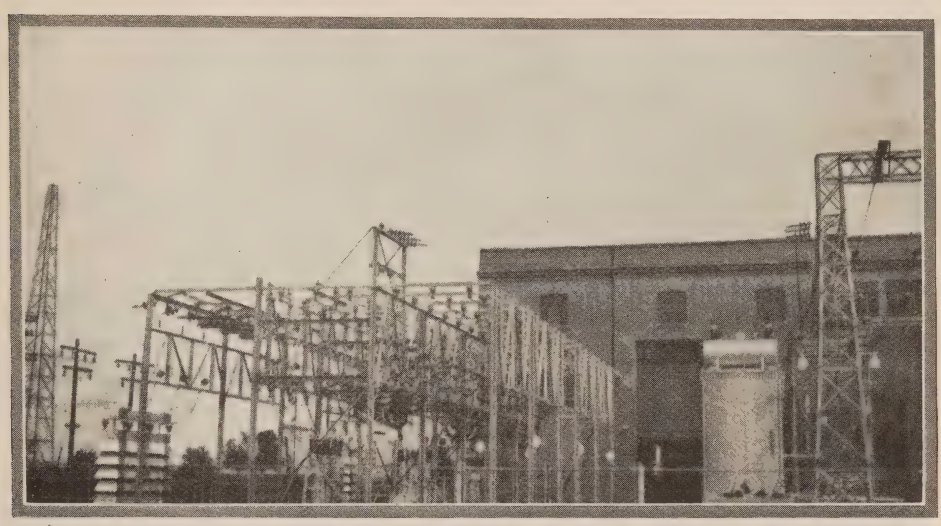
A new feeder panel with switching equipment was installed in Milverton distributing station to serve the Milverton rural power district.

St. Marys District—The transformer capacity at St. Marys transformer station was increased by the installation of three 1,250-kv-a. transformers in place of three 750-kv-a. units and improvements made in the cooling water system.

Woodstock District—Additional demands in the Woodstock rural power district were taken care of by the installation of three 150-kv-a. transformers replacing three 37½-kv-a. units at the distributing station at the Woodstock transformer station.

St. Thomas District—Increased transformer capacity was obtained in the district served by this transformer station by the installation of a 150-kv-a. transformer with the necessary switching at Shedden distributing station and by the installation of three 150-kv-a. transformers at Port Stanley distributing station replacing the three 100-kv-a. units at this point.

Brant District—The increased demands for power were taken care of by the construction of St. Williams distributing station, with a capacity of 225-kv-a. and by replacing the three 75-kv-a. transformers at Waterford distributing station with three 150-kv-a. units.



ESSEX TRANSFORMER STATION

The 26,000-volt structure and transformers as viewed from the south

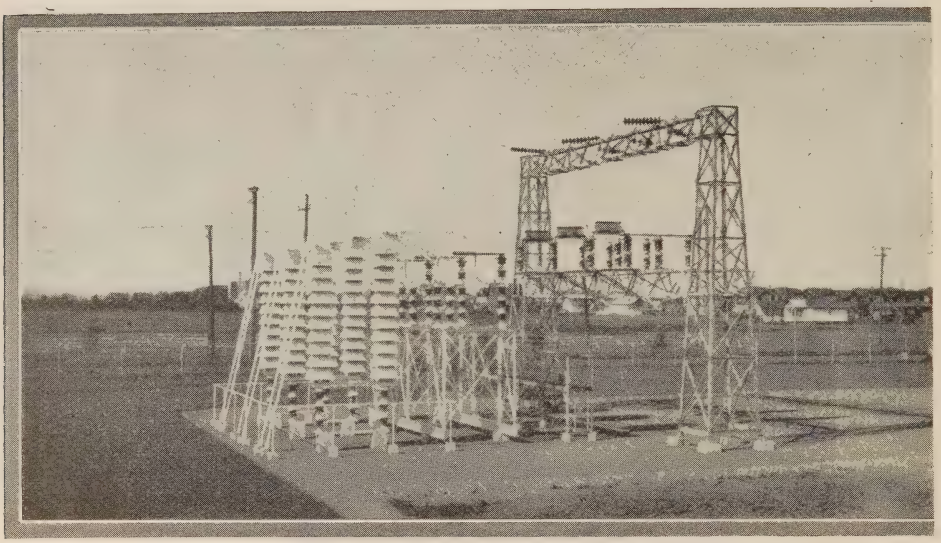
Kent District—In this section increased transformer capacity was provided at Dresden distributing station where three 150-kv-a. transformers replaced three 75-kv-a. units; at Ridgetown distributing station where three 250-kv-a. units were installed to replace the existing bank of 450-kv-a. capacity and at Fletcher distributing station where a 300-kv-a. transformer replaced a 150-kv-a. unit. In Wallaceburg distributing station the low-voltage equipment owned by the municipality was moved to another section of the building and an additional feeder panel was installed.

Essex District—The installation of a third bank of three 5,000-kv-a. transformers together with the outdoor steel structure to carry the necessary switching equipment has been completed at Essex transformer station.

To satisfy the demand for additional power in this district the transformer capacity was increased by the installation of an additional 1,500-kv-a. unit at Riverside distributing station; by replacing the 150-kv-a. unit at Harrow distributing station with one of 300-kv-a. capacity; by replacing the 150-kv-a. transformer at Belle River distributing station with a 450-kv-a. bank; by replacing a 1,500-kv-a. unit with a 3,000-kv-a. unit at Sandwich distributing station and a 300-kv-a. bank at Amherstburg distributing station with a bank of three 250-kv-a. transformers.

St. Clair District—The greater part of the work done in the district fed by St. Clair transformer station was for the municipality of Sarnia where increased capacity is being provided by the installation of an additional 1,500-kv-a. transformer and necessary switching in each of the two stations.

Increased capacity was also provided at Forest distributing station by replacing the 225-kv-a. bank with three 150-kv-a. transformers.



FORT WILLIAM
General view of outdoor

GEORGIAN BAY SYSTEM

Severn Division

Bradford distributing station capacity was increased by the installation of a bank of three 100-kv-a. transformers in place of the one 150-kv-a. transformer which was at this station. Waubaushene distributing station capacity was also increased by the installation of a third 25-kv-a. transformer.

Eugenia Division

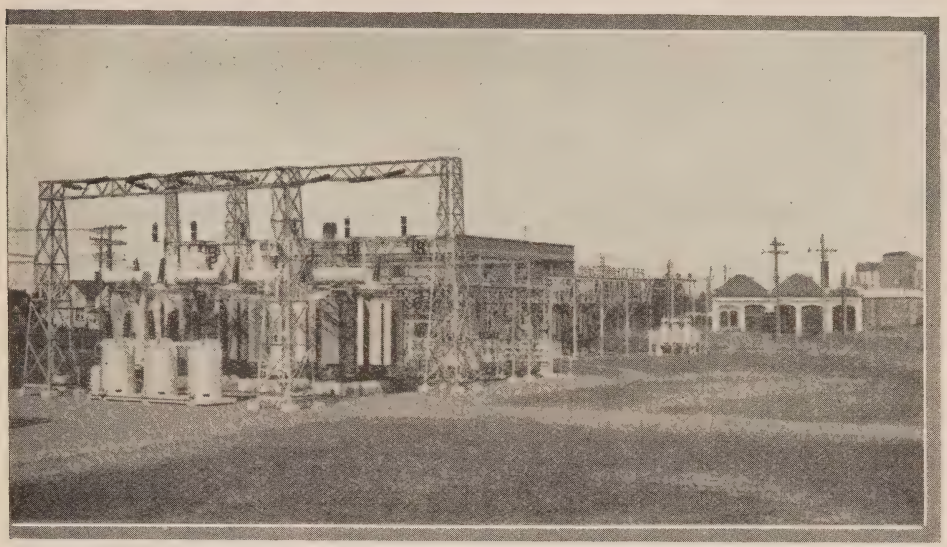
At Walkerton quarries distributing station one 25-kv-a. unit was installed to replace the three 100-kv-a. transformers which were transferred to Bradford distributing station.

Wasdells Division

Engineering assistance was given the municipalities of Port Perry and of Uxbridge in the purchase of a 30-kv-a. voltage regulator for each and the installation of the necessary equipment for the same. Lightning arresters were installed at Pinedale distributing station.

RIDEAU SYSTEM

A second 750-kv-a. transformer with necessary switching equipment was installed at Smiths Falls distributing station.



TRANSFORMER STATION
structures and buildings

THUNDER BAY SYSTEM

The necessary steel structure and switching equipment were installed for an outgoing 110,000-volt feeder to The Thunder Bay Paper Company. Metering equipment was also installed in this company's mill.

CENTRAL ONTARIO AND TRENT SYSTEM

Generating Stations

Increased rupturing capacity required at Heely Falls and Auburn generating stations necessitated replacing two 44,000-volt, oil circuit-breakers at each of these stations. Warren clocks, for use in regulating the system frequency, were installed at Ranney Falls, Heely Falls and Sidney generating stations.

Transformer and Distributing Stations

The demand for increased supply of power at points on the system was met by the installation of a second 300-kv-a. transformer at Picton distributing station and by a second 50-kv-a. unit at Marmora distributing station. At Whitby a temporary 300-kv-a. station was installed to take care of part of the Whitby load until a new municipal station is built.

A sixth 750-kv-a. transformer with necessary switching equipment was installed at Belleville Lehigh Cement Company plant.

Three 44,000-volt, oil circuit-breakers at Sidney transformer station were replaced with breakers of larger rupturing capacity, and improvements were made in telephone and alarm equipment at various stations.

SECTION VI

TRANSMISSION, DISTRIBUTION AND RURAL SYSTEMS

TRANSMISSION SYSTEMS

Studies on design, respecting the most satisfactory type of 220,000-volt line construction, were continued during the past year in order to determine the standard for the Gatineau-Toronto transmission line. A number of tests were carried out at the laboratories in collaboration with the Laboratories department.

Experimental work of painting towers with various types of preservatives was continued in order to secure data as to the service that may be obtained from such treatment.

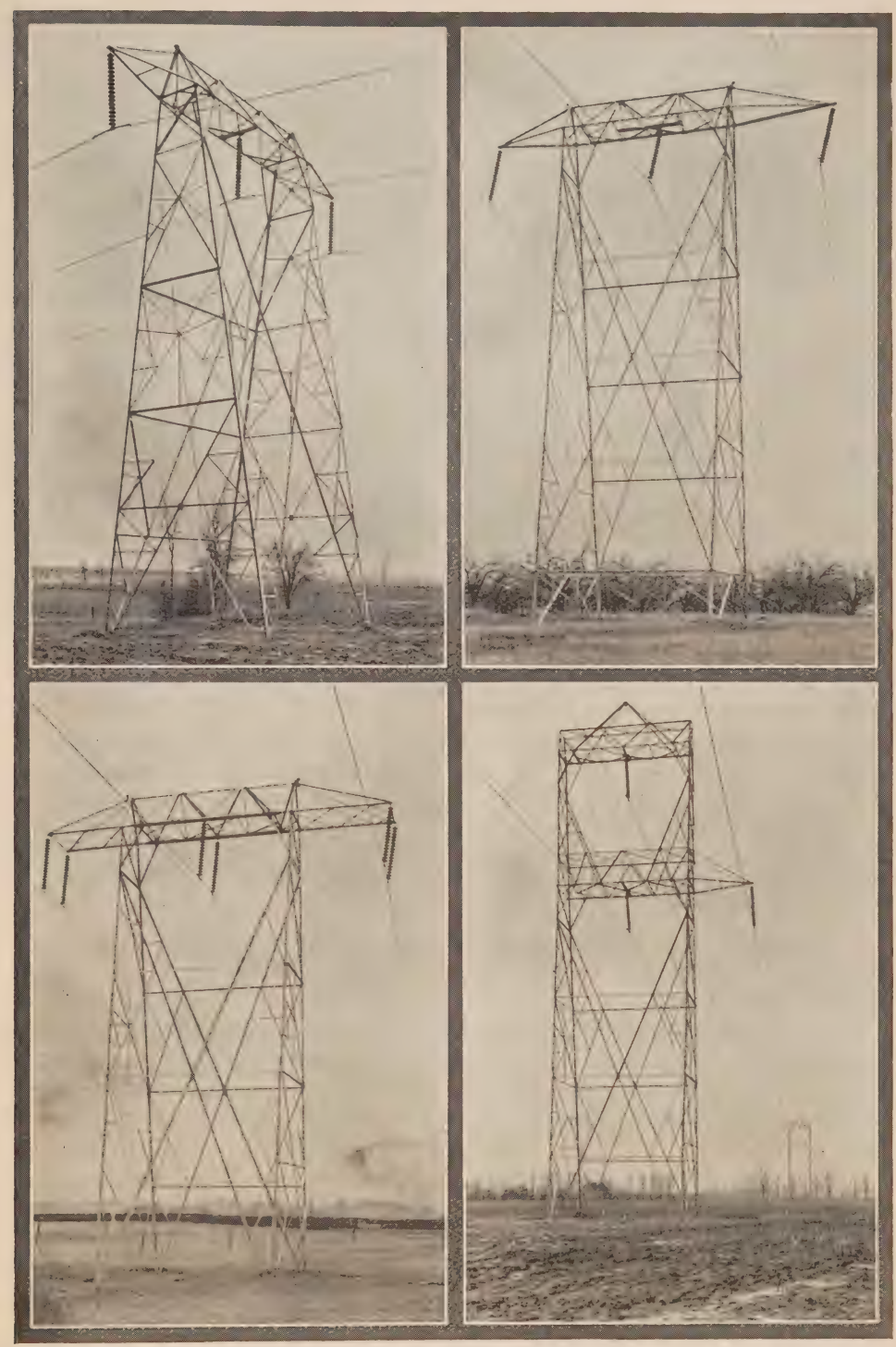
The systematic inspection and maintenance of transmission and telephone lines was carried on, as in the past, by the Operating department. This work, which entailed a certain amount of engineering study consisted of general inspection of all lines, testing and replacement of insulators, correcting sags of conductors, resetting or replacing wood poles, renewing cross arms, tightening or replacing defective guys, etc.

Tabulations of the Commission's lines showing the mileage constructed, the size of conductor, and other similar statistics, will be found in Appendix II of this report.

NIAGARA SYSTEM

The most important work for this system consisted of the completion of the design and the commencement of actual construction of the Gatineau-Toronto transmission line which is required to be ready for service by October 1, 1928, in order to transmit to Toronto, power ordered under contract with the Gatineau Power Company. Studies indicated that two circuits of 220,000-volts carried on separate structures would be the most advisable. A direct route between the termini was selected. Although such decision involved additional costs for transporting and erecting material in districts remote from rail transportation, the total cost of the shorter direct route was estimated to be less than the indirect routes that were considered.

The aerial photographs of the suggested route that were referred to in the preceding annual report, permitted the final location to be fairly closely



GATINEAU TRANSMISSION LINE—220,000 VOLTS

a. Standard tower
b. Light angle tower
c. Semi-anchor tower
d. Transposition tower

determined in the office and resulted in considerable saving in time and expense in the actual staking of the towers, which was commenced towards the end of 1926, and completed during the summer of 1927. The aerial photographs were also useful to the Right-of-way department in negotiating purchase of land or easements.

The towers selected are of the single circuit galvanized type with conductors horizontally spaced, the construction being somewhat similar to that used on the California and Pennsylvania 220,000-volt lines except for larger clearances. The standard tower, of which there are normally five per mile, is 73 feet high from ground level to peak. Suspension type insulators are used, extra heavy type being employed on the dead ends. The conductor consists of 795,000 circular mil, aluminum cable, steel-reinforced composed of 54 strands of 0.1214 aluminum and seven strands of 0.1214 steel as the core. Two ground cables are used each consisting of seven strands of 0.1214 steel.

The design of the line, as above described, was completed early in the Spring 1927, and contracts were awarded shortly afterward for the necessary materials for the first line. Tenders were invited for the erection of towers and stringing of wire, but it was found that this feature of the work could be carried out by the Commission's Construction department at less cost than the most satisfactory tender.

The Construction department commenced active work in July, 1927, and at favourable seasons has had as many as 250 men employed. The territory traversed by the transmission line east of Peterborough, is practically unsettled. This necessitated temporary camps being established at several points from which work was carried out in each direction.

Up to the close of the fiscal year 1927, approximately 80 per cent of the right-of-way had been secured, 50 per cent of the tower steel fabricated, 25 per cent of the towers erected, and deliveries of insulators and conductor had been arranged for an early date in order that stringing of cable might be commenced about January 1, 1928. It is anticipated that the first circuit will be completed in ample time to provide for the delivery of the first block of 80,000 horsepower to be supplied by the Gatineau Power Company on October 1, 1928.

The only change of importance on the 110,000-volt lines now in service on the Niagara system was the erection of a ground cable on the St. Thomas-St. Clair section.

One of the four existing 46,000-volt lines supplying the Welland district, by re-arranging clearances, was changed over to 60,000 volts. Two new wood-pole lines, 0.42 and 3.77 miles in length respectively, were constructed from this new line to Welland and Thorold to provide a second circuit to these important stations.

New 26,400- or 13,200-volt, wood-pole lines were constructed as follows: a new line 16.65 miles in length from Simcoe to St. Williams; a two-circuit line 2.28 miles in length from Essex terminal station to Windsor, and 6.80 miles of 4,000-volt line supplying Thamesford was changed over to 13,200 volts.

The conductors on the 12,000-, 13,200- or 26,400-volt lines between Falls Junction and Niagara Falls, 0.69 miles; between Kitchener and New Hamburg, 12.2 miles; and between Watford and Forest junctions, 9.18 miles; were replaced by larger sizes in order to take care of increases in load.

GATINEAU TRANSMISSION LINE—220,000 VOLTS
Stringing cable during the winter of 1927-1928

Air-break switches were installed in 26,400- or 13,200-volt lines at Glendale, Riverside, Streetsville and Listowel.

Some short sections of the telephone lines between London and St. Thomas, Guelph and Preston, Kitchener and Stratford, and between Woodstock and London, were rebuilt in order to permit rural circuits to be carried on such sections.

GEORGIAN BAY SYSTEM

There were no noteworthy changes in line construction beyond the erection of a ¼-inch steel ground cable between South Falls generating station and Waubaushene and the replacement of some ten air-break switches by those of a more modern type.

THUNDER BAY SYSTEM

From Bare Point transformer station to the Thunder Bay Paper Company, approximately one mile of single-circuit, No. 4/0 aluminum cable, steel-reinforced, 110,000-volt, steel-tower line was constructed for the city of Port Arthur, and between Reserve and Sprucewood junctions the 336,400 c.m. a.c.s-r. third circuit, owned by the Commission, was completed. Between Cameron Falls generating station and Reserve junction and between Sprucewood junction and Bare Point transformer station, a total of 62.19 miles of 5/16-inch steel ground cable was erected.

CENTRAL ONTARIO AND TRENT SYSTEM

From Oshawa to Whitby a single circuit of No. 2 aluminum cable, steel-reinforced strung on a wood-pole line and insulated for 110,000 volts, was constructed. This will be used, temporarily, to supply the new Whitby transformer station at 44,000 volts. Construction was also commenced on a similar line of 336,400 c.m., a.c.s-r. between Port Hope and Oshawa.

The reconstruction of the telephone line between Sidney terminal station and Oshawa was completed and a circuit of the Canadian National Railways from the latter point to Toronto was leased. Adequate telephone service is now available direct from the Toronto head office to all points of the Central Ontario and Trent system.

DISTRIBUTION AND RURAL SYSTEMS

The properties covered under this heading consist of distribution feeder lines and complete rural power systems operated by the Commission as well as miscellaneous low-voltage systems constructed for municipalities. The municipal distributing plants in the Central Ontario district are referred to under Section III, "Municipal Work."

General engineering studies respecting line materials and types of construction were continued during the year. Some of the subjects considered were: Economical lengths of spans for various types of construction; ground connections for circuits and apparatus; steel insulators pins; preservative treatment of wood poles and cross arms; various types of transformer cutouts; the use of easements on private property or special pole framing on highways to avoid extensive tree trimming, and other similar matters. Some of the lines built during the year incorporated the improvements suggested by these studies. The question of regulation was given considerable attention, and in this connection primary distribution circuits, of 4,000 volts, ungrounded as well as of 8,000/4,600 volts, have been installed in some districts with an improvement in voltage regulation over the common voltages heretofore used almost exclusively, viz., 2,300 volts and 4,000/2,300 volts.

The tables appearing in Appendix III record the work completed during the year, which may be summarized as follows:—

Distribution feeder lines built	17.37	miles
Rural power district primary lines built	909	"
Metering stations erected	19	
Municipal systems built or extended	23	

SECTION VII

THE LABORATORIES

The functions of the Laboratories department have been fully described in previous reports. The work of the past year has been of the same character as that previously described, with the difference however that a larger percentage of the activities of the department were concerned with problems arising in the operation of the systems than with construction problems.

The policy of the Commission, as described in previous reports, is to purchase all apparatus and materials under specification. In the testing of such apparatus and materials this department has been able to render valuable service to other departments of the Commission. The importance of obtaining the best quality in materials, even for apparently insignificant parts of machines, is being recognized, and the value and necessity of tests is being proved continually by field experience.

Co-operative Work

In addition to the work of testing, inspection and research, the members of the Laboratories staff have during the year rendered assistance in some of the work which the Commission carries on in co-operation with other organizations. This work comes within the general classification of standardization and is of direct value to the Commission as well as to the electrical industry at large. The principal items are the following:

1. *Canadian Electrical Code.* As announced in the technical press, the work of preparing a code of rules for electrical installations uniformly acceptable throughout the Dominion was completed by the Canadian Engineering Standards Association at a meeting in Winnipeg in June, 1927. These rules are known as the "Canadian Electrical Code" which was published in September and has been adopted widely throughout the country. The Commission was actively engaged in this co-operative work, the Chief Testing Engineer being Chairman of the Code Committee. The Code has been adopted by the Commission for use in Ontario and will shortly be published as the eighth edition of the Commission's Rules and Regulations.

2. Several engineers of the department have served on committees of the Canadian Engineering Standards Association, National Research Council, International Electrotechnical Commission, American Institute of Electrical Engineers, American Society for Testing Materials and the National Fire

Protection Association. This work all has to do with engineering standardization or with research, the results of which are of direct benefit to the Commission.

The work of the Laboratories is described in sufficient detail below to convey an understanding of its character and importance to the Commission. The volume of work has remained practically at the level of the previous year, but it is expected that developments now underway or projected will result in an increase during 1928.

High Tension and General Electrical Laboratory

The volume of work handled in this section has been approximately the same as that of the previous year. Routine testing of many kinds of apparatus and for many purposes is carried out in the laboratories and much inspection of equipment being purchased is made in the manufacturer's plant. In some cases special testing has been carried out for municipalities, and in others the municipality has supplied practically all the expert labour needed as assistants and the results have been summarized by engineers of this section. This has proved to be an efficient form of co-operation, both economical in cost of operation and valuable as to the results obtained.

Studies on 220,000-volt transmission have been continued touching on the various divisions of the problem from ground resistance to corona loss and lightning protection. The only convincing answer to many of the questions arising is to test and analyze results in the light of actual experience. Methods of measurement are continually being devised and the existing methods criticized and weighed.

The work of resuscitation research is an investigation that warrants special mention. Sponsored by the Accident Prevention department of the Commission this investigation is being continued at the University of Toronto under the direction of Dr. McLeod and the Commission's staff is rendering assistance in this important problem.

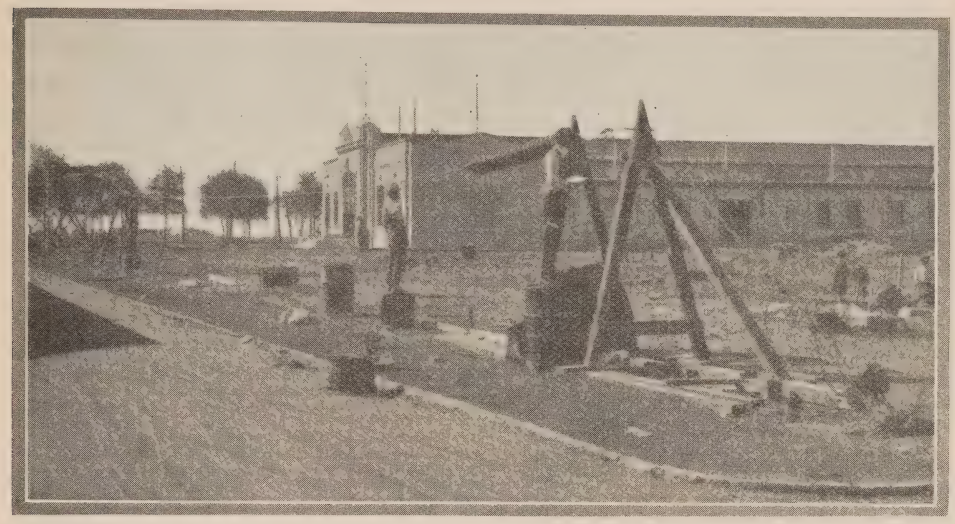
This section also endeavours to keep posted on the most modern and reliable methods of communication by both wire and radio methods and has conducted considerable experimental work tending to show what improvements may be made in its various systems.

Meter and Standards Laboratory

The general activity of this section has been along much the same lines as in former years with the exception that a higher percentage of routine work and a somewhat lower percentage of new investigational work has been carried on.

The routine work includes: watt-hour meter repairs and adjustments; repairs to many other types of meters, electric and otherwise; the maintenance of suitable standardizing equipment whereby the portable instruments in use by the Commission may be checked, and the checking of these at suitable intervals.

Special work includes repairs made to types of meters not considered as standard; devising of schemes of measuring and recording phenomena of various



CHECKING SAG IN BUS-BAR AND INSULATORS FOR DIFFERENT TENSIONS

kinds of adaptation of some standard pieces of equipment. The system of totalizing power passing through several substations operating in parallel mentioned in the last Annual Report and described in the Bulletin of October 1926 has proved its worth during the past year and continues in successful operation.

Illumination Laboratory

Lamp Tests

The major portion of the work of this section of the Laboratories, that of inspecting and testing the lamps supplied to the Commission, is carried on from year to year without much change. Lamp manufacture and methods of testing have remained substantially the same for several years and last year's work was a continuation of that of previous years.

An inspector is stationed at the factory and his entire time is occupied in making electrical, photometric and mechanical tests of the lamps in accordance with the Commission's specifications. A specified percentage of the lamps that are satisfactory according to these preliminary tests are forwarded to the laboratory for life test.

The number of lamps tested in the laboratory during the year was slightly greater than that of any previous year.

In addition to the routine testing of "Hydro" lamps a few tests were made for "Hydro" municipalities.

Automobile Headlight Testing

The staff and equipment of the Laboratory are utilized by the Department of Highways of Ontario to make approval tests, in accordance with the regulations, on automobile headlights.

Owing to the official recognition of the dual or depressible beam headlamps it became necessary to alter the headlamp testing equipment to conform to the new specifications.

A complete revision of the specifications for tests of automobile headlamps is being introduced which greatly increases the amount of work necessary to complete a test and which calls for much more careful design on the part of the manufacturer of headlamp devices.

Reflecting Vehicle Signals

Legislation has been passed and regulations issued by the Department of Highways requiring all vehicles to display, at night, lights or approved reflecting signals. The latter requires tests of a type somewhat different from any previously made in the laboratory.

Such reflecting signals are designed to be used on horse-drawn and other slow moving vehicles and are rendered conspicuous to a motorist by reflecting light from the headlights of the motor vehicle.

Visual observations on a number of the signals were made under ordinary conditions of use and it was found that certain of the devices submitted could be accepted as substitutes for oil lamps. Tests of the optical properties of the devices were then made in the laboratory as a result of which a routine test was devised and tentative specifications for optical performance were drawn up.

Candlepower Distribution Tests

A few test of luminaires were made for manufacturers and distributors of lighting equipment. The demand for tests of this kind is limited owing to the standardization of the various types of luminaires.

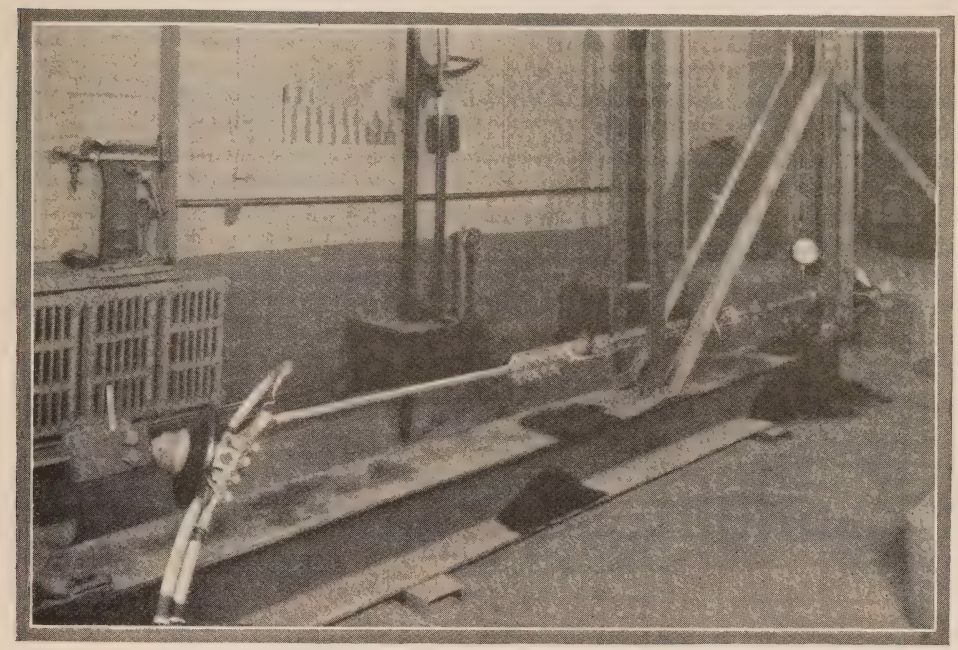
Lighting Service

This service which was recently inaugurated (see Report 1926) has met with a fair response also this year. It is expected that as the service becomes more widely known increased use of the facilities of the laboratory will be made.

This service includes the surveying of illumination intensities, the preparation of plans for the lighting of new or the re-lighting of old buildings, outdoor sports or any phase of lighting where experience and knowledge of lighting requirements and equipment is useful. There is an enormous field for this service in Ontario and the local managers are reminded of the fact that the facilities of the laboratory are available for their use and they are invited to communicate with the laboratory when lighting problems arise.

Engineering Materials Laboratory

The new Toronto-Gatineau transmission line has produced a great amount of work for this section of the laboratory during the past year. Apart from the regular inspection necessary for the materials used in the line, many special tests were required in the development of transmission line fittings that would prove satisfactory for 220,000 volts.



NEW TESTING MACHINE

Showing suspension clamp being tested with insulator in place

Testing Machine

On account of the limited space in the ordinary testing machine, the laboratory had previously designed and built a special machine for testing transmission line materials, and this machine was found to be especially useful in making the tests required in connection with the new transmission line. As will be seen from the accompanying illustration, it is a horizontal machine, and its dimensions are such that it is adaptable for many conditions for which the standard machine is not suited. It has a special advantage on account of its liberal dimensions, in that several parts can be put together and tested as a unit. While this machine has been used mostly for transmission line parts, there are many other commercial materials for which it could be used to advantage where the standard machine is not suited.

Steel Research

An investigation was conducted regarding the use of structural silicon steel for the tower legs of the new transmission line. On account of its greater strength, the use of this steel would allow a considerable saving in the weight required, in addition to reducing the transportation and erection costs. Investigation showed that silicon steel had caused some fabricating troubles, with the heavier sections in former work, but as the sections required for this contract were comparatively light, it was decided to use this grade and no trouble has been met either in fabricating or galvanizing. There is a greater tendency for this particular steel to contain "pipe" and segregations, but with careful inspection the piped material can be eliminated.

Galvanizing

Mention was made in the previous report, that an investigation was in progress in connection with the hot dipped galvanizing process. While complete information was not obtained, it was found that the usual copper sulphate test is not a true measure of the thickness of the coating. Further the service to be expected cannot be determined entirely by the thickness of the coating. It was also found that with the usual process of hot dipping, re-dipping galvanized parts after they become cold, or allowing pieces to remain in the bath a long time will produce a coating that will flake easily. Neither of these is now allowed in commercial work for the Commission, and all galvanizing is tested with a hammer to ascertain whether or not the coating will flake easily.

Cement

During the past year the laboratory has conducted, in co-operation with the American Society for Testing Materials, a series of tests on 38 different portland cements. The purpose of this investigation was to develop more rational methods for testing the quality of cement than those now in use. The present series involved the making of about 1,600 specimens of various kinds and 350 chemical determinations. Similar tests were carried out by some 50 other laboratories. The combined results are now being studied by a committee of the above Society on which the Commission is represented.

Concrete

The experimental study of the economics of concrete mixtures is progressing satisfactorily and it is expected that it will be completed during the coming year. A preliminary analysis has been made of the data so far completed and indicates that the results will have some very important and practical applications. Already from these data a much simplified method has been developed for the comparison of the suitability and economy of different aggregates for use in concrete.

From time to time, as opportunity occurred, engineers from the laboratory have examined and reported upon the conditions of the concrete in the various properties of the Commission. These examinations have been found to serve a very useful purpose; deteriorations of the concrete that might, in time, become serious, were located and corrected and knowledge was obtained of the behaviour of concrete in service that could be applied to the construction and maintenance of concrete structures in general. Commencing with this summer, these inspections have been placed upon a systematic basis and in future, all important concrete structures will be examined and reported on regularly and a photographic record obtained of their condition.

Chemical Laboratory

During the past year this section has carried out a large number of tests on transformer oils as routine work. The Chemical laboratory has also done some work on transformer oils in connection with standardization work being done by the International Electrotechnical Commission and further work on transformer

and switch oils is contemplated in connection with standardization work being carried out by the American Society for Testing Materials.

The laboratory has also continued its work with paints for different purposes. In addition to paints for structural steel, and for under water purposes, considerable work has been carried out with aluminum paints. Laboratory work and field tests on transmission towers using this paint are being combined. Various combinations using aluminum paint are now being exposed on these towers. Several different priming coats have been used, and the different aluminum vehicles now on the market have been tried with different priming coats. Much data have already been obtained, but the exposure has not been sufficient to give complete information.

Photographic Branch

This section has continued to function as described in previous reports. Routine work (copying, enlarging, lantern slides, blueprinting) occupied most of the time of the staff. Several special trips were made by the photographers to record features of rural developments and 220,000-volt line construction.

Approvals Laboratory

The functions of this laboratory, as previously described, are to administer the Rules and Regulations of the Commission respecting electrical equipment. These rules have been prepared under the authority of the Power Commission Act and require that all electrical materials, devices and appliances used on circuits in Ontario coming within the jurisdiction of the Electrical Inspection department shall be approved by the Commission before being offered for sale or use.

Applications for approval report, including examination, test and listing, to the number of 297 were received during the year, this being an increase of 17 per cent. over the previous year. Of these applications 30 per cent. referred to heating appliances, 18 per cent. to motor-operated equipment, 16 per cent. to lighting appliances, 15 per cent. to wiring devices, 14 per cent. to radio appliances and the balance to switches and miscellaneous equipment. In addition some 30 applications for special report on provisional approval of various devices were received and 110 applications for listing of equipment approved by Underwriters' Laboratories.

Reports were issued to the number of 154, while 217 white card summaries were printed and distributed. Green card summaries or listings issued numbered 115. The approval card record now includes 726 white and 900 green cards.

The work of preparing approval specifications has proceeded slowly very little progress having been made during the year. It is hoped that several specifications for which there is need, will be prepared this year.

Towards the close of the year a marked increase in applications for approval of power-operated radio sets showed clearly the tendency of the industry to simplify the operation of these devices which have become as much a household necessity as the piano and phonograph.

ELECTRICAL INSPECTION

The Electrical Inspection department of the Hydro-Electric Power Commission has now been in operation for a period of twelve years. The department was formed, in the latter part of 1915, to supervise the carrying out of the rules and regulations governing electrical installations in the Province of Ontario. It functions under the direction of the Hydro-Electric Power Commission. The Province is, at present, divided into thirty-three inspection districts, each being under the supervision of a district inspector, who is responsible to the head office in Toronto. A staff of sixty inspectors is employed by the department. These men are located at strategic points throughout the Province, thus enabling the organization to give efficient service at a minimum cost.

From time to time, references have been made in the annual reports to the functions of the Electrical Inspection department. Recently, an address was given setting forth the necessity for inspection, outlining the objects in view, and describing the activities of the Hydro-Electric Power Commission in these matters. For convenient reference, a summary of this address under the heading "Electrical Inspection in Ontario" is appended to this section of the annual report.

The Year's Operations

The number of paid applications for inspection received during the past year was somewhat less than for the previous fiscal period, and just below the average for the last eight years. This is the result of the different building programme of the last two or three years—fewer detached and semi-detached houses and more apartments, etc.—as was mentioned in the annual report for 1926.

The amount of work handled by the Inspection department in the last few years may be illustrated by the following table:

Year	Permits issued	Inspections made	Approximate cost of re-wiring
1920	87,399	160,990	557,033
1921	84,352	160,873	584,150
1922	91,932	182,522	340,000
1923	90,000	180,000	320,000
1924	90,497	176,108	480,000
1925	98,419	173,418	280,000
1926	92,725	174,979	250,000
1927	89,425	169,098	412,000

On account of the increasing building activities in and around Kapuskasing, it was found advisable to appoint an inspector to take charge of that territory, on a part-time basis. The man selected to discharge these duties is an electrical engineer with other imployment.

The Orangeville office was closed on March 31, 1927, and the territory comprising that district was apportioned among the districts of Barrie, Guelph, Kitchener and Toronto. Business conditions in Orangeville and the surrounding

country did not warrant the continuation of an inspector in that town, the work being handled more efficiently from the above-mentioned offices.

The district of Fort Francis which on October 31, 1926, was merged with the district of Kenora, was reopened in July, 1927.

Approximately four hundred square miles of territory was added to that already under the jurisdiction of the Toronto office, through the absorbing of portions of the Orangeville and Oshawa districts.

There were thirty-three inspection districts in operation at the close of the fiscal year 1927, as compared with thirty-two for the period ending October 31, 1926.

Defective Installations

A varying amount of money is spent each year by different consumers in bringing obsolete and defective installations up to standard and in making necessary alterations and repairs to equipment. Some of these changes are made by the owners and tenants on their own initiative, in other cases it is necessary for the department to insist upon the elimination of some life or fire hazard. It is to be expected that some resistance from time to time may be encountered in carrying out this work, but in the majority of instances the parties responsible show a willingness to co-operate with the department and much is accomplished each year towards removing objectionable and dangerous features from various electrical installations. To illustrate the above it may be stated that 5,407 installations were brought up to a reasonable standard of safety in 1927. It takes an average of four and one-half inspections finally to dispose of each condemned installation, making a total of 24,332 inspections of condemned installations.

Fires and Accidents

It is very gratifying to know that during the past year, only three fires were, after careful investigation, attributed to defective electrical equipment. This number appears insignificant when it is appreciated that the number of consumers of electrical energy in this Province exceeds 400,000.

There were no fatal accidents this year in connection with any apparatus or equipment under the control of this department.

Theatres

The electrical equipment in theatres, including motion picture and vaudeville, has always been subject to stringent regulations in this Province since the formation of the Inspection department. This year every theatre in Ontario was subject to a thorough inspection and it is safe to say the public has nothing to fear regarding the life or fire hazard of any theatre in this Province with respect to the electrical installation.

Work in Rural Districts

The rapidly expanding rural extensions of the Commission's lines are increasing the work of the Inspection department in rural districts. Reference may be made to other portions of the report in order to determine the extent to which the Commission is now covering rural districts.

ELECTRICAL INSPECTION IN ONTARIO

Certain functions of the Commission, including electrical inspection, are quite distinct from its activities as administrator of the hydro-electric undertaking. In connection with the generation and transmission of electrical energy, the Commission acts as agent and trustee of the co-operating municipalities. In so far as electrical inspection is concerned, however, the Commission is the servant of the Provincial Government, and its activities extend to all the municipalities of the Province, whether they are partners in the "Hydro" undertaking or not.

Object of Inspection is Safety: In brief, the object of electrical inspection is to eliminate the possibility of danger arising through the misuse of electricity. At the outset it may be emphasized that, properly handled, electricity is not dangerous in the customary acceptance of that term. Compared with the commodities and appliances it has so largely displaced, electricity has many advantages from the safety standpoint.

Owing to the fact that, to the average person, the characteristics of electrical energy are more or less obscure, the ordinary householder is not sufficiently familiar with the technical aspects of electricity to be able to ensure that it is being safely applied and handled. It is for this reason that the necessity for expert supervision exists.

Fire Hazard: Everyone is familiar, for example, with the fact that when an electrical current is led through the fine wires inside an electric light bulb it produces a very high temperature in the wire. It becomes "white hot." It may never have occurred to the average consumer, however, that if a sufficiently large current is allowed to pass through the larger wires that constitute his house wiring, these too will reach a high temperature that could be capable of starting a fire. To prevent this happening, the electrical inspector—when an installation is completed—examines the wiring to make sure that the wires are large enough to safely carry the amount of current required, and also to see that the fuses and other equipment are properly installed.

Shock Hazard: So far as danger of shock is concerned, as is well known, electricity, applied under certain conditions, may be fatal, e.g., as employed in the electric chair, where a high voltage is used. Even at the voltage ordinarily used in homes, electricity, if allowed to pass freely *through* the body, can be very dangerous. The electrical inspector, by ensuring that the wires and appliances are properly insulated, safeguards the public in this respect.

Early Action by Fire Insurance Interests: The first authorities to take action with the object of promoting electrical safety were the fire insurance companies which about thirty years ago drew up a code of rules for electrical installations.

Government Action: About twenty years ago the Government of Ontario realized that it was important in the interests of the public that safety from personal shock hazards as well as elimination of danger of fires from electrical causes, should be promoted. The enforcement of the measures designed to

accomplish this purpose was considered to be, properly, a function of public administration, to be backed by legal authority. In 1912, suitable legislation was enacted.

Powers Given the Commission: In view of the fact that the Hydro-Electric Power Commission already had a highly-trained technical staff of electrical experts, and was, moreover, a body closely affiliated with the Provincial Government, the task of formulating a Code of Rules and Regulations governing safety requirements for electrical installations was delegated to the Commission. The regulations were made part of the law of the Province and their enforcement through a system of inspection was also placed in the Commission's hands.

Six years later the government, through the Commission, provided facilities for testing electrical appliances and materials, and an Act was passed which provided that, unless approved by the Commission as safe for use, no such appliances and materials could be used or sold in the Province. The administration of these regulations is carried out by the Testing and Inspection department of the Commission.

Administration of Inspection Department: For electrical inspection purposes, the Province, at the present time, is divided into some thirty-three districts, with about sixty inspectors. The work of inspecting installations is under the direction of the Chief Electrical Inspector with headquarters in Toronto and the work of testing and approving apparatus is the duty of the Approvals Engineer located at the Laboratories of the Commission in Toronto.

The extent of the work of the Inspection department may be realized from the statement that about 90,000 permits are issued annually, authorizing electrical installation and repair work to be done, and about 170,000 inspections are made. These inspections cover work ranging from the installation of a few lights in a small house to the complete installation of power and lighting equipment in large factories, hotels or "skyscrapers."

Rules and Regulations: The work of the Electrical Inspection department is guided by the Commission's Rules and Regulations, which have been specially compiled for the purpose of providing inspectors and electrical contractors with knowledge of certain definite minimum requirements which must be observed. It will be appreciated that each piece of electrical equipment rightly used in any installation is there for a specific purpose. Equipment that would be quite safe in a dry situation might be dangerous where excessive moisture is present. If inflammable material is present, as, for instance, on the stages of theatres, or in garages, special precautions are necessary. In bathrooms, with exposed metal water-pipes, there exists special risk of shock. Insecurely attached wiring and fixtures are a source of danger. For all wires adequate insulation is required. These are only a few illustrations of the many safety precautions that are covered by the rules and regulations.

The first edition of the rules was issued in 1913. The various requirements are periodically revised to conform to the constantly changing conditions, and in this regard the Commission confers with representatives of the Canadian Fire Underwriters' Association, the Provincial Fire Marshal, manufacturers of electrical equipment, electrical contractors, local municipal commissions and other interested bodies. The last revision of the rules was made in 1924.

Canadian Electrical Code: In recent years, it has been generally realized throughout the Dominion that a uniform standard for electrical work in all of the provinces is much to be desired. With a view to bringing this about, the Canadian Engineering Standards Association last year with the co-operation of the Commission in Ontario and of electrical authorities in other provinces, compiled and published the Canadian Electrical Code, Part I. The best features of the rules at present in force not only in Canada but also in the United States, have been embodied in this code, and it is generally conceded by authorities throughout the continent that the Canadian Electrical Code is a decided improvement on any work of the kind previously in existence in America.

The Hydro-Electrical Power Commission of Ontario has adopted this code, which, with some special regulations applicable to Ontario circumstances, will, in the very near future, be published as the Eighth Edition of its Rules and Regulations. It is understood that the other provinces are also preparing to adopt this code.

Approvals Laboratory: In addition to supervising the installation of electric wiring and equipment in buildings, the Commission, since 1918, has exercised authority with respect to safety requirements in connection with electrical materials and appliances sold or used in the Province. Obviously, it would not be feasible for a wiring inspector to carry out the tests necessary to ensure safety in the design and construction of all the materials and devices used in connection with electrical installations. Such work is therefore carried out at the Commission's Approval Laboratory.

Testing of Appliances: Manufacturers, agents, and others handling electrical devices and equipment send samples of their products to the Commission's laboratories, where they are subjected to careful inspection and rigid tests to determine whether or not they are safe for use by the public. If satisfactory, the Commission issues a certificate of approval, which authorizes their sale and use in Ontario. If defective in any essential particular, the manufacturer is notified in what respects the design or construction needs to be altered before approval can be given.

Detailed test of the samples submitted is followed up by the factory inspection, which ensures that the materials and devices as placed on the market, conform to the same standards as the samples tested.

This work is of service to the manufacturers as well as to inspection authorities in other provinces. The approval of the Commission is accepted or required in many other parts of Canada.

Ontario Leads in Electrical Inspection: In matters of electrical inspection and approval of equipment Ontario may be said to occupy a position of leadership. Over large sections of the continent the only protection the users of electrical energy have is that afforded by the efforts of the Fire Underwriters, and in some instances by local municipal by-laws or state enactments. Some electrical appliances commonly sold elsewhere have been found to be of such a character that they introduce a very real hazard. The compulsory inspection of electrical installations and equipment in Ontario has undoubtedly prevented a great deal of damage to property and injury to persons.

Safety Precautions: A few cautionary remarks may be added: If it is desired to avoid risk of fire and shock—not to mention the possibility of being fined for breaking the law—all electrical installation and alteration work should be done by a trained electrician and inspected.

An electric heater should not be used in a bathroom, unless the metal frame of it has been properly grounded—that is, connected to the earth through the water pipes.

Lamps and fuses should not be changed while standing on a damp floor or when near metal pipes or radiators.

Electrical devices, such as smoothing irons or toasters, should not be used if the flexible cord is frayed or otherwise damaged, or if it begins to spark anywhere. The cord should be repaired at once by a competent workman.

An electric iron should not be left face downward on any combustible substance such as a wooden ironing board or table, no matter how soon one expects to be back to remove it. The iron should be disconnected before it is put away into the cupboard.

On no account should a fuse be replaced with one of larger capacity than 15 amperes. The capacity is marked on the fuse. This fuse will protect the ordinary house circuit and the use of a large fuse destroys this protection. A fuse should never be bridged with a coin or piece of wire.

Purpose of Fuse: The fuse is the safety valve of the electrical installation. If, through defects in the wiring or the appliances used, a large current is permitted to flow, the wire in the fuse melts and shuts off the current before any damage can be done. It is therefore important that a fuse of proper capacity be used, otherwise it may not cut off the current when it should and serious damage may result.

While the law requires, as has been stated, that only approved devices be sold in Ontario, unscrupulous persons have at times attempted to sell devices embodying dangerous features. The consumer can assist the Commission and at the same time promote the safety of persons and property by buying only approved devices. In cases of doubt at any time enquiry may be made of the nearest Electrical Inspection office.

Finally, if the consumer has any reason to think that any part of his electrical installation is defective through age or any other cause, he should apply to the Electrical Inspection department for advice as to what should be done with it. At nominal cost much trouble and inconvenience may thus be avoided, if not actual bodily harm or loss of property.

The Commission through its Inspection department and in other ways is always at work to secure more efficient equipment for, and safety to, the public.

SECTION VIII

ELECTRIC RAILWAYS

ESSEX DISTRICT RAILWAYS

Way and Structures

In addition to the regular maintenance work required on the railway system, new works, embracing the construction of a bridge over the Canadian Pacific Railway on Wyandotte street west and a physical connection between the Wyandotte street line and the Michigan Central Railway line at Wellington and Wyandotte streets, were carried out. On the completion of the latter, traffic on the Michigan Central Division was transferred from London street to Wyandotte street. The bridge over the portal of the Michigan Central Railway tunnel on Field avenue (which has since been re-named College avenue) was also completed.

Track laying on Field avenue extension was not attempted on account of the inability of the city of Windsor to make arrangements for the expropriation of the property required for the approaches on the Wellington street side of the bridge in sufficient time to allow for the necessary settlement of the earth fill on the approaches, and also owing to the town of Sandwich not grading its portion of the thoroughfare. For these reasons it was decided that it would be advisable to defer the work until next year. This delay would also give time for the settlement of sub-grades. It is expected that this work will be completed in the early part of 1928.

The rehabilitation of the track on Wyandotte street east, between Ouellette avenue and Glengarry avenue, was completed and steel poles were erected along this portion of Wyandotte street.

On the Tecumseh division, a new siding was constructed at St. Clair Shores, to permit of improvement in the running time of the Tecumseh cars. Arrangements were completed with the town of Sandwich for the erection of combination steel poles to support both the railway and lighting wires.

At the London street car barns, additional extra storage track was installed and the carpenter shop was moved from its old situation to a more convenient one in the west barn. New wood-working machinery was added which has substantially improved the working conditions and facilities. Spray painting apparatus was installed in the paint shop, which permits of two men completing a car in less than a week. At an early date, the capacity of this shop will be further increased by the provision of additional facilities.

ESSEX DISTRICT RAILWAYS—TRACK CONSTRUCTION IN WINDSOR

a. Ouellette Avenue at Pine Street looking south, July, 1927.
b. Wyandotte Street West from Caron Avenue looking west towards C.P.R. overcrossing, December, 1927.
c. Wyandotte Street East from Goyeau Street, December, 1927.

Equipment

The delivery of ten cars which had been purchased in the vicinity of New York city, was made in the latter part of the year 1926. These were placed in operation and have proved very satisfactory.

The installation of two additional 1,000 kilowatt rotary converters in the McDougall avenue substation was completed, and they were put into service on January 5, 1927. The 500 kilowatt rotary converter, which was formerly in the temporary station at McDougall avenue, was transferred to the Ford substation at Seminole and George streets, Ford City, and placed in service on May 19, 1927.

The Salt Block station has been abandoned entirely and arrangements have been made for the disposal of the old equipment. It is possible that arrangements may be made to use the old substation as a garage to take care of future bus operation. The re-arrangement of feeders was completed and the present power situation is in a very satisfactory condition.

Operation

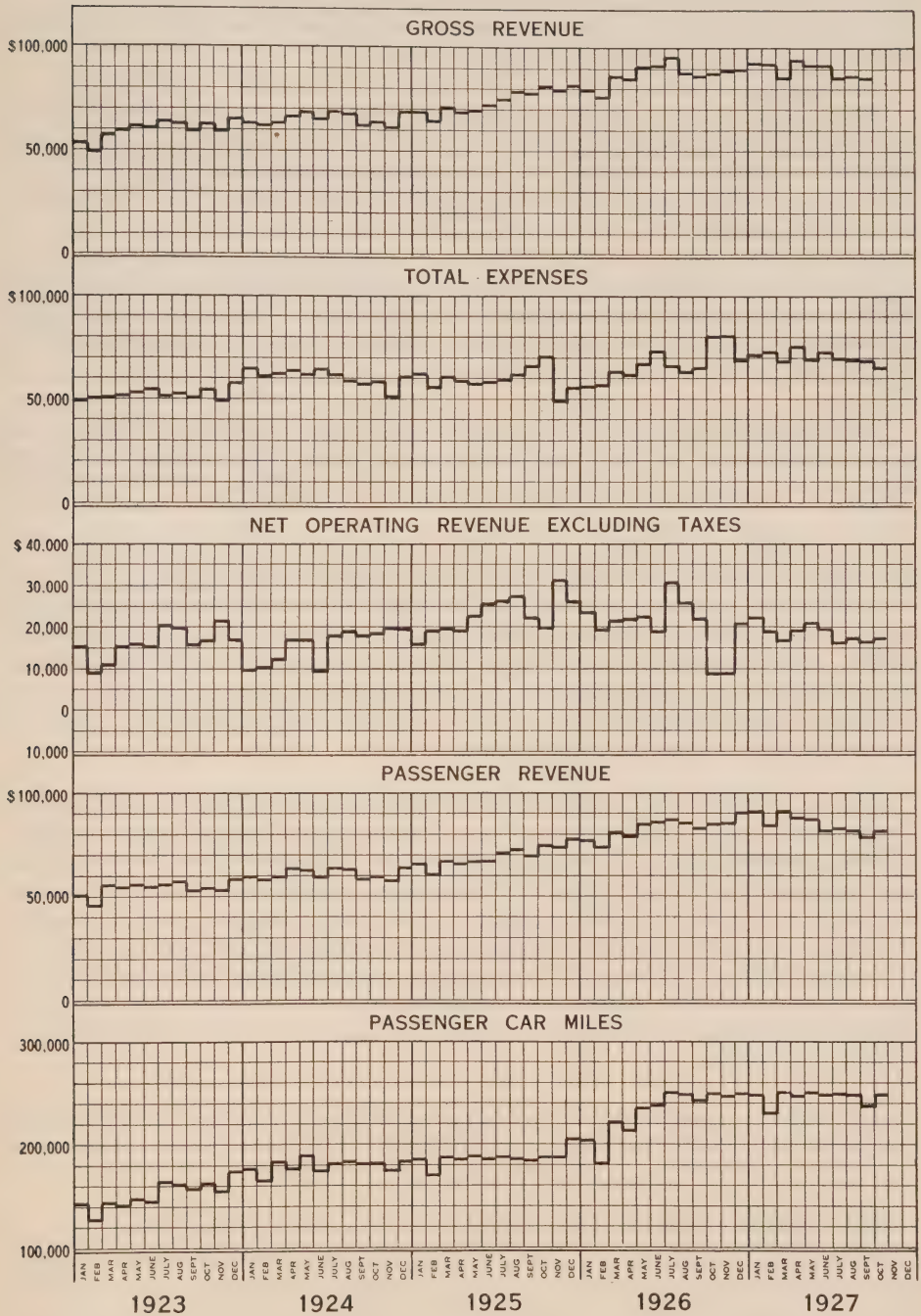
While the gross revenue for the year 1927 amounted to $1,069,631, as compared with $1,031,443 for 1926, an increase of $38,188, the net results show a decrease from the estimates as shown in the budget for 1927.

The net operating revenue for 1927 was $229,574, as compared with the net operating revenue in 1926 of $275,729, being a decrease of $46,155. The interest and taxes for the year 1927 amounted to $249,554, as compared with $215,259 for the year 1926, an increase in fixed charges of $34,295.

In preparing the budget for the year 1927, the average increase in revenue for the preceding six years was used, the total increase in revenue for the six years being 204 per cent. The increase in revenue for 1926 over 1925 amounted to $171,140. The anticipated increase in revenue for 1927 over 1926 was not secured, due primarily to local industrial conditions. In February of 1927, the extensive Ford plant was practically closed down, and this in turn affected many subsidiary plants. During the year 1926, the number of men directly employed by the automobile industry was 6,740; but during the year 1927, the number dropped to around 3,000. This, of course, seriously affected other industries.

A report of industrial conditions for the city of Detroit for the month of October, showed that there was a decrease of 37,420 employees, compared with the corresponding month for the previous year. This also affected the residents of the Border Cities of Canada. The unsettled condition of the United States immigration laws was another factor which affected both the railway revenue and the growth of the Border Cities. It is anticipated that, at an early date, the motor industry will be back again into more normal production, particularly the Ford plant; and that the difficulties concerning immigration regulations as they relate to people living in Windsor and working in Detroit will be satisfactorily settled.

ESSEX DISTRICT RAILWAYS—OPERATING STATISTICS



The net result of the year's operation shows a deficit of $19,980, without making provision for depreciation reserve. In the past, an endeavour has been made to set aside a sum for depreciation, notwithstanding the fact that it is not stipulated by the Act; but this feature will have to be taken care of from 1930 on, as well as amortization of the capital.

Because of the fact that the Border Cities is a very rapidly growing community, it has been necessary during recent years to provide many improvements and extensions. This will not be necessary to the same degree in the near future, as the completion of the 1927 programme will take care of a substantial growth of population.

The bus operation was extended during the year, to take care of temporary requirements, pending the construction of rail lines. The revenue in no case was sufficient to meet the operating costs. The revenue from bus operation was $110,091 for the year. The cost of operation was $132,652.

The results for the year 1927 show an increase in passenger revenue over the previous year of $52,085, but a decrease in the freight revenue of $17,280 for the year, leaving a gross increase in revenue of $38,188.

The additional bus service that was operated in 1927 over the previous year was responsible for a large portion of the increased passenger revenue. The increase in bus revenue amounted to $55,523, but this increase in revenue was more than offset by the increased cost of bus operation, which amounted to $70,962. The increase in fixed charges for the year was $34,294. These items, and the reduced patronage caused by the industrial depression that existed in Windsor in 1927, explain the temporary financial setback—the first that has occurred on the railway in fifteen years.

For the coming year there are certain favourable considerations which may be mentioned. The construction of the Detroit river bridge, from Sandwich to Detroit, is under way. The arrangements for the financing of the tunnel are progressing very favourably, and it is considered probable that it will be started early in the new year. The re-opening of the General Motors plant in Walkerville, which has been idle for the past five years, is assured; and certain activities in the steel plant at Ojibway indicate that a portion of this plant also will be in operation during 1928. There are approximately one hundred and fifty men working at Ojibway, and, at an early date, it is proposed to transfer the wire plant from Hamilton.

The financial statements respecting the railway are given in Section IX of this report (consult general index). The attached chart will give a fair indication of the growth of the railway for the past five years.

The mileage run by various types of cars and busses during the year is as follows: Single-truck, hand-brake, two-man cars 28,378 car-miles; double-truck, air-brake, two-man cars 202,957 car-miles; interurban cars 504,271 car-miles; single-truck safety cars 490,199 car-miles; double-truck safety cars 1,289,442 car-miles; express cars 33,005 car-miles; busses 436,682 bus-miles; total, 2,984,934 car- and bus-miles.

ESSEX DISTRICT RAILWAYS

Operating Statistics, 1927

Route-miles:		
City trolley	20.61	
City bus	11.40	
Amherstburg interurban	13.54	
Tecumseh interurban	6.10	
Total route-miles		51.65
Passenger and freight car-miles operated		2,984,934
Passenger and freight car-hours operated		350,649
Passengers carried		18,928,736
Percentage of transfer passengers to revenue passengers		12.55
Passenger cars operated		79
Passengers carried per route-mile		366,487
Passengers carried per car-mile		6.41
Passengers carried per car-hour		54.97
Average mileage per car operated		37,366
Average passengers per car operated		239,600
Freight tonnage carried		19,438

Passengers carried, 1926, 18,410,520; 1927, 18,928,736; increase, 518,216; accidents per 100,000 car-miles, 1926, 26.86; 1927, 23.85.

GUELPH DISTRICT RAILWAYS

Way, Structures and Equipment

No capital construction was carried out during the year. The track work and the equipment were well maintained.

Operation

The operating revenue for the Guelph District railways for 1927 was $91,807, as compared with $81,816 in 1926. The total operating expenses for the year 1927 were $76,742 as compared with $69,396 in 1926. Taxes for the year 1927 were $2,699, as compared with $2,704 in 1926. The net operating revenue for the year 1927 amounted to $12,366 as compared with $9,717 in 1926. The interest and debenture payments were $26,594 in 1927, as compared with $26,181 in 1926. The renewal set aside in the year 1927 was $9,760 as compared with $8,824 in 1926. The deficit for the year 1927 amounted to $23,980 as compared with $25,288 in 1926.

Included in the above deficit is $6,394, which has been set aside each year for amortizing the original value of the railway line previous to the transfer of this line to the Hydro-Electric Power Commission; and also an interest charge of $5,306; renewal account for the year of $9,760 and $2,000 for paving charges that were owing by the railway at the time the Commission took over the operation.

At the request of the Guelph city council the operation of the Eramosa road bus line was made permanent. The twenty-nine-passenger bus that had been operated on that line on a rental basis was returned to the Gotfredson corporation and a new twenty-one-passenger bus was purchased.

As explained to the city council, previous to the inauguration of this service, the bus route did not secure sufficient revenue to take care of operation costs, the loss for the year amounting to $1,878. This deficit has been assumed by the railway.

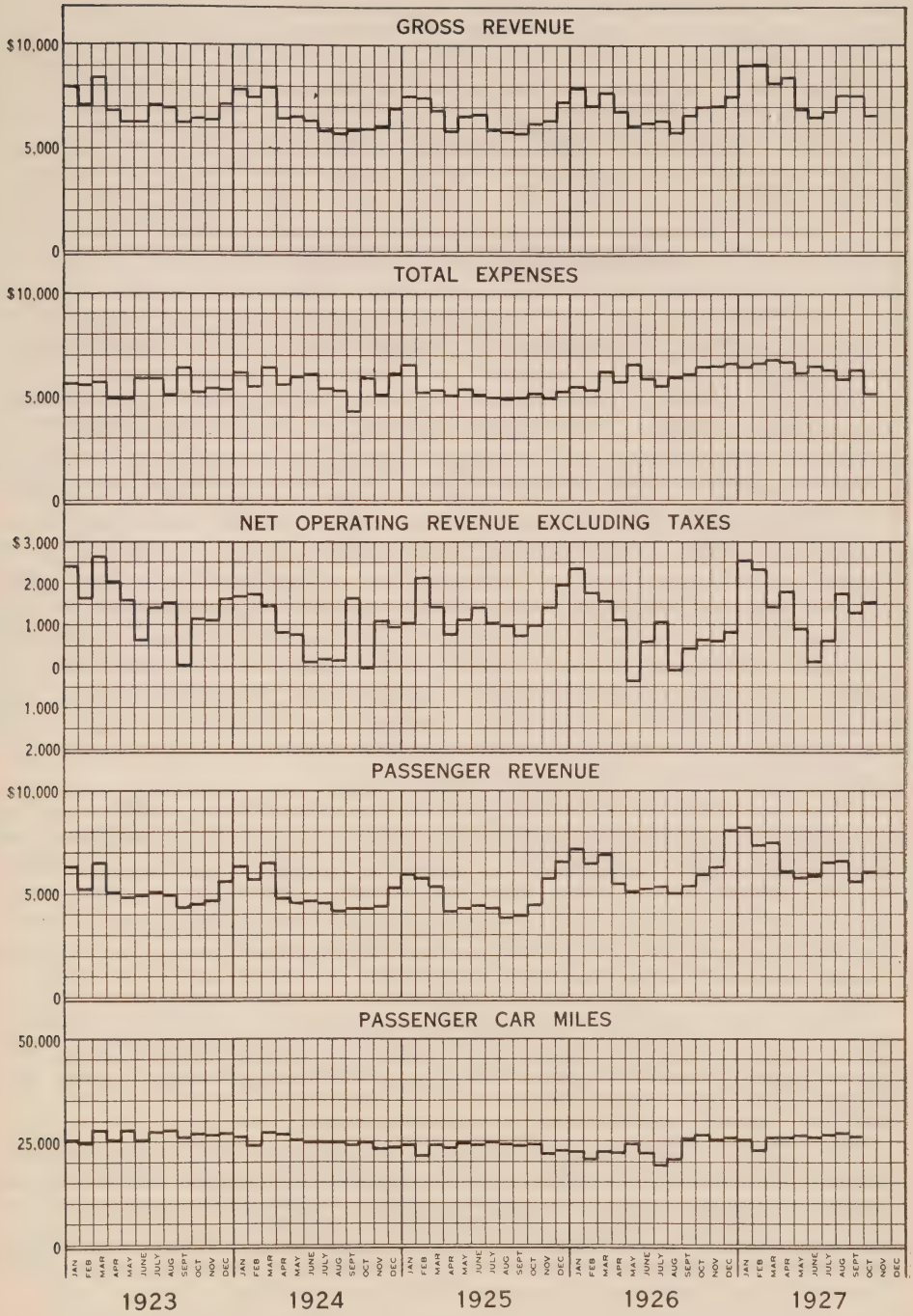
HYDRO-ELECTRIC RAILWAYS—GUELPH DISTRICT, 1927

Operating Statistics

Route-miles, trolley	8.49
Route-miles, bus	1.65
Track-miles, trolley	10.05
Passenger cars operated	8
Bus operated	1
Passenger car-miles operated	280,264
Bus-miles operated	37,159
Passenger car-hours operated	34,685
Bus-hours operated	6,084
Revenue passengers carried	1,472,403
Transfer passengers carried	279,055
Free passengers carried	5,634
Total passengers carried	1,757,092
Percentage of transfer passengers to revenue passengers	18.95
Freight motors operated	1
Freight motor-miles operated	9,890
Freight motor-hours operated	2,016
Total passenger, freight, and service car-miles operated	327,589

Accidents.—Twenty-seven of which twenty were due to automobiles. Accidents per 100,000 car-miles, 1926, 5.69; 1927, 8.24.

GUELPH DISTRICT RAILWAYS—OPERATING STATISTICS



SECTION IX

FINANCIAL STATEMENTS

EXPLANATORY STATEMENT RESPECTING THE ACCOUNTS

The Hydro-Electric Power Commission of Ontario believes that a satisfactory understanding of the manner in which the various operations of the Commission are conducted and financed will contribute greatly to the interest of those concerned either directly or indirectly with the work of the Commission.

The hydro-electrical undertaking of the municipalities, embracing all the operations from the provision of the power down to its final delivery to the ultimate consumer, involves two distinct phases. The providing of the power, either by generation or purchase, its transformation, transmission and delivery in wholesale quantities to the individual municipalities and to large industrial consumers, and the operation of rural power districts, are performed by the municipalities acting *collectively* in groups or "systems" through their agent and trustee, the Hydro-Electric Power Commission of Ontario. The financial statements relating to these collective activities of the municipalities are presented in this section of the Annual Report.

The local operations involved in the retail distribution of the electrical energy to consumers within the limits of the various municipalities are performed by the municipalities *individually*, through municipal utility commissions acting under the general supervision of the Hydro-Electric Power Commission. The financial statements relating to these individual activities of the municipalities, together with data respecting costs of service to consumers, and rates charged, are given in Section X of this report.

It will be of assistance in interpreting the financial tables herein presented if the reader has an understanding of the economic structure and of the general plan of administration of the undertaking. To this end the following brief comments are made.

The "Hydro" electrical undertaking of Ontario is an organization of a large number of partner municipalities, co-ordinated into groups or systems for securing common action with respect to power supplies, through the medium of the Hydro-Electric Power Commission which acts as their trustee. As such, the Commission generates or purchases—as the case may be—electrical energy which it transmits and delivers to the associated municipalities.

The rates at which power is supplied by the Commission to the various municipalities vary with the amounts of power used and the distances from

the sources of supply. The entire capital cost of the various power developments and transmission systems is pro-rated annually to the connected municipalities, according to the relative use made of the lines and equipment. Each municipality is required to assume responsibility for just that portion of capital employed in delivering electrical energy to it, together with such expenses as are incident to that particular portion of the investment. Municipalities are not charged with expenses connected with equipment or plant from which they derive no benefit or are in no way interested. The entire annual direct expenses such as operation, maintenance, interest and administration, together with reserves for sinking fund, depreciation, contingencies and absolescence, are paid out of revenue collected from the municipal "Hydro" utilities through the medium of power bills rendered by the Commission. Power bills are rendered at an interim estimated rate each month during the year and credit or debit adjustment is made at the end of the year, when the Commission's books are closed and the actual cost determined.* There is no burden on the taxpayers or on non-users and no avenue through which losses, should they occur, could be absorbed, except by a direct charge to the contracting municipalities and thus to the actual consumers for service supplied.

The results obtained by the annual adjustments of the Commission's capital investment, operating expenses and fixed charges, as they affect individual municipalities are clearly shown in the tables for the respective systems.

The ultimate source of all revenue—whether for the larger operations of the Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. The revenue collected from consumers for the service supplied by the municipalities is divided so as to pay for the power provided by the Commission and also for the expense incurred by the local utility in supplying its customers.

The portion of the total revenue remitted to the Hydro-Electric Power Commission—and this remittance appears in the financial statements as the total "Cost of Power"—must be sufficient to pay the municipality's proportion of the expenditures made by the Commission on its behalf, in connection with the particular system to which it belongs, in order to provide for, and transmit to, the municipality the agreed-upon amount of power. Included in this remittance to the Commission for the cost of power are sums for sinking fund, renewals, obsolescence and contingencies. The first mentioned reserve is being provided for the purpose of liquidating the capital liabilities; the latter three are being created to provide funds for the renewal or rebuilding of any section of the various properties when found necessary, and to meet any contingency or obsolescence expense which from time to time may arise.

For the purpose of financial statement, the various systems are treated as separate units and for each of them similar statements and details are given. Many of the pages which follow, therefore, simply repeat for each system data similar to that which is presented for the first system dealt with in each division of the report, namely, the Niagara system. In order, therefore, to possess a ready grasp of all the figures presented in this and other similar reports of the Commission, all that is necessary is to have a true understanding of the financial procedure followed in connection with one system and with one municipal "Hydro" utility.

*The financial year for the Commission accounts ends on October 31. The financial year for the Municipal accounts, however, ends on December 31, and the Municipal accounts are made up to this date, and so recorded in Section X.

The accounts of the Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and are also duly audited. In fact, in preparing the various financial reports and statistical tables relating to all "Hydro" enterprises, the greatest care is exercised and all statements are presented in such form that they may be comprehensive and at the same time easily understood.

Tabular Data.

The first tabular statement given in Section IX is a general balance sheet exhibiting the assets and liabilities of the undertakings relating to the properties constructed or otherwise acquired and being operated by the Commission as trustee for the municipalities of the various systems. This statement embraces all of the properties under the Commission's direct administration, except those of the Central Ontario and Trent and Nipissing Systems which are owned by the Province of Ontario, and whose assets and liabilities are separately submitted on subsequent pages.

The general balance sheet is followed by groups of statements relating in turn to each system of the Commission. These statements, *for each system*, are similar in character and include:

Operating Account for the year, showing, for the system as a whole, the various items of operating expense and fixed charges entering into the cost of power as defined by the Power Commission Act, and the revenues collected by the Commission from the partner municipalities and other consumers to defray these expenses.

Cost of Power table, which shows the apportionment to each municipality of the items of expense summarized in the Operating Account, as well as the apportionment of the capital costs listed in the balance sheet and the amount of power taken by each municipality. The costs of power for the respective municipalities appear in Statement "B" of Section X as "Power purchased."*

Rural Operating statement which gives similar information with respect to the distribution of power within the rural power districts operated directly by the Commission.

Credit or Charge account which shows the adjustments made in order to bring the amounts paid by each municipality to the actual cost of service to that municipality.

Reserve for Renewals which shows the provisions made for, the expenditures from, and the balances to the credit of, this fund.

Reserve for Obsolescence and Contingencies which gives similar information with respect to this reserve.

Sinking Fund statement which gives the total of the amounts paid by each municipality and rural power district as part of the cost of power together with its proportionate share of other sinking funds.

Sinking Fund Reserve which summarizes the provisions made with respect to this fund.

Section IX also contains operating accounts of the various electric railways operated by the Commission, financial statements respecting the Central Ontario and Trent and Nipissing systems, to which there is a special introduction; and a summary of the "Appropriations, Advances and Capital Expenditures" made during the year.

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming, and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", refer to the operation of the municipalities' properties within the boundaries of those municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

To illustrate further the foregoing explanatory comments, there is submitted a statement illustrating the financial operations of a typical Ontario municipal electrical utility, viz., that of the city of Sarnia.

SARNIA HYDRO SYSTEM

OPERATING STATEMENT FOR THE YEAR 1927

REVENUE

Revenue from Sarnia Hydro customers for year $266,274.72

EXPENSES

Representative illustration of expenses incurred by the Hydro-Electric Power Commission on behalf of a municipality in connection with the supplying of its electrical energy. These data really show—as determined by annual adjustment—what it costs the Commission to supply the municipality with its power. See Cost of Power statement, page 132, for the city of Sarnia, as follows:

Cost (proportionate share) of operation and maintenance expense of Niagara generating plants, transformer stations and transmission lines, together with administrative expenses	$42,039.84	
Interest on Sarnia's proportionate share of capital investment in generating plants, transformer stations and transmission lines	79,894.70	
Sinking Fund (proportionate share) provided in respect of generating plants, transformer stations and transmission lines	16,963.43	
Renewal reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines	12,836.97	
Contingency and obsolescence reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines—a reserve created to meet any unforeseen contingency or obsolescence expense	15,310.06	
		$167,045.00

Expenses incurred by a municipality through its utility commission in connection with the sale of electrical energy to consumers. Consult the section dealing with the Municipal Accounts:

Operation, maintenance and administrative expenses, etc.	$32,233.05	
Interest and fixed charges on debenture debt	27,382.27	
Depreciation charge	13,866.00	
		$73,481.32
Total expenses charged against revenue from customers of the Sarnia system		$240,526.32
Net surplus for the year		$25,748.40

The municipality of Sarnia situated at the extreme end of the Niagara system, one hundred and eighty-five miles distant from the source of power, Niagara Falls, Ontario, was connected to the system in December, 1916. This Hydro utility complied with every monetary obligation imposed upon it by the Power Commission Act. With the close of the eleventh year of operation, its financial condition as shown in the municipalities' balance sheet (see Statement "A" in Section X) stands as follows:

Total assets, $830,108.70; total liabilities, $269,059.32; reserves and surplus, $561,049.38. The reserves and surplus account is detailed hereunder:

Debenture payments	$101,814.29
Reserves for renewals of local plant	98,204.58
Sinking fund equity in Hydro-Electric Power Commission system	135,394.75
Surplus	225,635.76
	$561,049.38

In addition to the above-mentioned reserves the Hydro-Electric Power Commission of Ontario has collected from this utility during the eleven years of operation the sum of $120,478.73, representing Sarnia's proportionate share of renewals reserve levied by the Commission in the cost of power. This sum is part of the total reserve for renewals shown in the Commission's balance sheet.

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER

Niagara System:	ASSETS		
Generating plants:			
Queenston-Chippawa development		$76,101,460.50	
Ontario Power development, including water rights		22,071,761.93	
Toronto Power development, including water rights		11,895,896.91	
Transmission lines:			
Right-of-way		7,053,636.72	
Steel-tower and Wood-pole lines		15,779,290.57	
Transformer stations		21,925,891.92	
		$154,827,938.55	
Distribution lines:			
Rural power districts	$2,389,479.22		
Rural lines	55,715.21		
		2,445,194.43	
			$157,273,132.98
Thunder Bay System:			
Nipigon generating plants		$11,626,355.07	
Transmission lines		1,702,662.43	
Transformer stations		815,662.18	
			14,144,679.68
Georgian Bay System:			
Generating plants:			
Big Chute development		$664,757.05	
Eugenia Falls development		1,145,159.55	
Wasdell development		146,390.18	
Muskoka development		755,873.92	
Transmission lines		1,907,074.83	
Transformer stations		581,668.88	
		$5,200,924.41	
Distribution lines:			
Rural power districts	$111,894.00		
Rural lines	2,807 43		
		114,701.43	
			5,315,625.84
St. Lawrence System:			
Surveys and engineering re power sites on St. Lawrence river		$261,658.91	
Transmission lines		529,533.99	
Transformer stations		482,789.18	
		$1,273,982.08	
Rural power districts		54,402.17	
			1,328,384.25
Ottawa System:			
Surveys and engineering re power sites on Ottawa river		$76,893.35	
Transformers and meters		3,428.21	
		$80,321.56	
Rural power districts		63,119.49	
			143,441.05
Rideau System:			
Generating plants		$844,085.27	
Transmission lines		261,765.86	
Transformer stations		68,077.33	
			1,173,928.46
Surveys and engineering re power sites on Mississaugi and Montreal rivers, Algoma district			7,288.23
Carried forward			$179,386,480.49

COMMISSION OF ONTARIO

and Liabilities, October 31, 1927

UNDERTAKINGS

LIABILITIES

To Province of Ontario			
Cash advances for Niagara and other systems		$138,698,793.40	
Less: Repayment under provision of Power Commission Act, 1926		6,150,567.00	
		$132,548,226.40	
Grants in the hands of the Commission to apply against certain rural power districts in course of construction or extension	$159,852.78		
Less: Grants payable by the Province to the Commission in respect of certain rural power districts completed or in course of construction	1,714.45		
		158,138.33	
			$132,706,364.73
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Four per cent debentures, due 1957, issued in purchase of Ontario Power Company of Niagara Falls	$8,000,000.00		
Interest accrued thereon	80,000.00		
		$8,080,000.00	
Six per cent debentures, due 1941, issued for the purpose of retiring the 1921 issue of the Ontario Power Company of Niagara Falls	$3,200,000.00		
Interest accrued thereon	67,856.16		
		3,267,856.16	
Six per cent debentures, due 1940, issued in purchase of the Toronto Power Company, Limited	$413,200.00		
Interest accrued thereon	10,330.00		
		423,530.00	
Six per cent debentures, due 1940, issued in purchase of certain electrical power equipment of the Toronto and York Radial Railway	$205,800.00		
Interest accrued thereon	5,145.00		
		210,945.00	
Five per cent debentures, due 1939, issued for the purpose of retiring the 1924 issue of the Toronto Power Company, Limited	$4,000,000.00		
Interest accrued thereon	75,000.00		
		4,075,000.00	
Four per cent debentures, due 1958, issued in purchase of distribution lines of Essex County	$200,000.00		
Five per cent debentures, due 1928, issued in purchase of distribution lines in Essex County	26,000.00		
Interest accrued thereon	3,875.00		
		229,875.00	
Four per cent debentures, due 1958, issued in purchase of distribution lines in vicinity of Thorold	$100,000.00		
Interest accrued thereon	1,666.67		
		101,666.67	
			16,388,872.83
Carried forward			$149,095,237.56

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER-

ASSETS

Brought forward			$179,386,480.49
Bonnechere River Storage System:			
Round Lake dam		$23,072.93	
Golden Lake dam		11,092.81	
			34,165.74
Service Buildings and Equipment:			
Service building and equipment, Toronto		$478,623.41	
Equipment of storehouse and garage, Hamilton		3,666.40	
Pole yard and equipment, Cobourg		22,540.33	
			504,830.14
Office Buildings:			
On University avenue, Toronto		$502,507.00	
On corner Elm street and Centre avenue, Toronto		160,821.95	
			663,328.95
Office Furniture and Equipment:			
At Toronto office		$79,554.08	
At outside offices		48.12	
At Electrical Inspection offices		5,434.57	
Library		555.62	
			85,592.39
Automobiles and trucks			23,077.10
nventories:			
Construction and maintenance tools and equipment		$538,724.76	
Construction material and sundry supplies		454,236.11	
Maintenance material and supplies		462,043.44	
Stationery and office supplies		23,108.06	
			1,478,112.37
Sinking Funds:			
Employed to make repayments to the Province of Ontario under the terms of the Power Commission Act, 1926	$6,150,567.00		
Employed in retirement of bonds issued or assumed by the Commission and guaranteed by the Province	3,790,222.41		
	$9,940,789.41		
Sinking funds for repayment of advances by the Province of Ontario invested in securities of the Province of Ontario, which are:			
(a) Deposited with Provincial Treasurer—par value $366,000.00		$352,452.45	
(b) In the hands of the Commission—par value $300,000.00		297,890.41	
Interest accrued thereon		10,983.82	
			661,326.68
Insurance Funds:			
(a) Invested in securities of the Dominion of Canada—par value $650,000.00		$663,957.33	
(b) Invested in securities of the Province of Ontario—par value $28,000.00		29,035.24	
Interest accrued thereon		17,724.03	
			710,716.60
Staff Pension Funds:			
(a) Invested in guaranteed mortgage certificates of Canada Trust Company—par value $200,000.00		$200,000.00	
(b) Invested in securities of the Province of Ontario—par value $900,000.00		885,604.57	
Interest accrued thereon		9,475.09	
			1,095,079.66
Carried forward			$184,642,710.12

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Brought forward			$149,095,237.56
Bonds and debenture stock assumed by the Commission and guaranteed by the Province of Ontario:			
First mortgage 5% gold bonds, due 1943, of the Ontario Power Company of Niagara Falls—			
Amount assumed at date of purchase of Company by Commission August 1, 1927	$9,834,000.00		
Less: Retired by the Commission	1,350,000.00		
	$8,484,000.00		
Interest accrued thereon	106,050.00		
		$8,590,050.00	
First mortgage 5% gold bonds, due 1945, of the Ontario Transmission Company, Limited:			
Amount assumed at date of purchase of Company by Commission, August 1, 1917	$1,772,000.00		
Less: Retired by the Commission	322,000.00		
	$1,450,000.00		
Interest thereon payable November 1, 1926	36,250.00		
		1,486,250.00	
Guaranteed 4½% debenture stock, due 1941, of the Toronto Power Company, Limited:			
Amount assumed at date of purchase of Company by Commission, December 1, 1920	$13,558,917.81		
Less: Retired by the Commission	4,182,705.29		
	$9,376,212.52		
Interest thereon payable November 1, 1926	210,964.78		
		9,587,177.30	
First mortgage 5% gold bonds, due 1933, of the Electrical Development Company of Ontario, Limited:			
Amount assumed at date of purchase of Company by Commission, December 1, 1920	$4,335,000.00		
Less: Retired by the Commission	629,000.00		
	$3,706,000.00		
Interest accrued thereon	30,883.34		
		3,736,883.34	
Five per cent mortgage bonds of Toronto Power Company, Limited, due July 1, 1924—overdue but not presented		6,000.00	
			23,406,360.64
Other Debentures assumed:			
In respect of purchase of lines at Streetsville:			
Amount assumed at date of purchase	$6,000.00		
Less: Retired by the Commission	3,214.12		
	$2,785.88		
Interest accrued thereon	69.84		
		$2,855.72	
Carried forward			$172,501,598.20

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER-

ASSETS

Brought forward			$184,642,710.12
Reserve Funds:			
(a) Invested in securities of the Dominion of Canada, par value $2,250,000.00		$2,240,040.84	
(b) Invested in securities of the Province of Ontario, par value $8,722,000.00 ($5,017,500.00 par value of these securities stand deposited temporarily with the Provincial Treasurer and $30,500.00 par value stand deposited with Canada Trust Company.)		8,627,267.20	
(c) Invested in securities of the Commission guaranteed by the Province of Ontario, par value $2,923,205.00		2,882,853.95	
Interest accrued thereon		184,903.45	
			13,935,065.44
Cash:			
In banks		$368,249.35	
In banks to pay bond interest due November 1, 1926, and interest coupons overdue but not presented		294,494.28	
In bank to pay Toronto Power Company bonds overdue but not presented		6,000.00	
Sinking funds on deposit with trustees for bond-holders		2,328.17	
In hands of employees as advances on account of expenses		112,926.34	
		$783,998.14	
Less: Funds of Hydro radial railways shown elsewhere in this balance sheet		143,548.05	
			640,450.09
Accounts Receivable:			
Due by municipalities and sundry customtomers in respect of construction work, supply sales, etc	$206,180.70		
Less: Reserve for doubtful accounts	2,398.50		
		$203,782.20	
Due by municipalities and sundry customers in respect of power accounts	$2,436,792.65		
Less: Reserve for doubtful accounts	224,062.97		
		2,212,729.68	
Sinking fund and interest accounts owing in respect of rural lines		6,818.18	
Due by town of Renfrew for water from Bonnechere storage system for power purposes		22,166.48	
Claim against Dominion Government in respect of income taxes paid for the thirteen months ending December 31, 1921, which should be recoverable		72,334.46	
			2,517,831.00
Balances due by municipalities in respect of the costs of power supplied to them, as provided to be paid under the Power Commission Act:			
Niagara system		$40,400.26	
Thunder Bay system		52,717.32	
Georgian Bay system		25,774.41	
St. Lawrence system		16,397.32	
Ottawa system (Nepean rural power district)		228.57	
			135,517.88
Carried forward			$201,871,574.53

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Brought forward			$172,501,598.20
In respect of purchase of original Muskoka Power development:			
Amount assumed at date of purchase	$50,595.93		
Less: Retired by the Commission	19,411.11		
	$31,184.82		
Interest accrued thereon	1,162.79		
		$32,347.61	
In respect of purchase of sundry rural lines:			
Amount assumed at date of purchase	$44,539.25		
Less: Retired by the Commission	5,410.82		
	$39,128.43		
Interest accrued thereon	596.26		
		39,724.69	
			74,928.02
Outstanding share capital of the Electrical Development Company of Ontario, Limited			1,100.00
Accounts payable		$613,912.54	
Interest coupons due but not presented for payment		47,279.50	
			661,192.04
Central Ontario System:			
Current account			167,990.37
Insurance Department:			
Outstanding claims and awards		$662,257.66	
Surplus		41,472.76	
			703,730.42
Reserve for Staff Pensions			1,116,815.30
Balance due to municipalities in respect of amounts paid by them to October 31, 1926, in excess of the cost of power supplied to them as provided to be paid under the Power Commission Act:			
Niagara system		$763,288.78	
Thunder Bay system		1,167.97	
Georgian Bay system		61,970.31	
St. Lawrence system		33,124.31	
Rideau system		10,138.41	
			869,689.78
Reserves for Sinking Fund:			
Niagara system		$9,907,227.21	
Niagara rural lines		18,223.16	
Thunder Bay system		130,022.16	
Georgian Bay system		357,428.95	
Georgian Bay rural lines		404.00	
St. Lawrence system		74,089.47	
Ottawa system		2,080.50	
Rideau system		41,054.98	
Bonnechere storage system		8,120.87	
		$10,538,651.30	
Service buildings		66,279.19	
Office buildings		85,856.60	
			10,690,787.09
Reserves for Renewals:			
Niagara system		$8,449,877.16	
Niagara rural lines		1,775.41	
Thunder Bay system		381,701.43	
Georgian Bay system		675,764.89	
Georgian Bay rural lines		114.37	
St. Lawrence system		184,376.29	
Ottawa system		6,190.95	
Carried forward			$186,787,831.22

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER-

ASSETS

Brought forward			$201,871,574.53
Work in progress:			
Expenditure on account of various systems chargeable upon completion to:			
Capital construction		$12,659.97	
Operating and maintenance expenses		59,587.62	
			72,247.59
Insurance unexpired			34,796.01
Discount on debentures issued by the Commission—less amounts written off:			
On debenture issue of $3,200,000 maturing 1941		$106,770.81	
On debenture issue of $4,000,000 maturing 1939		75,200.40	
			181,971.21
Total, Power Undertakings			$202,160,589.34

RADIAL RAILWAY

Sandwich, Windsor and Amherstburg Railway:			
Road and equipment		$5,125,038.23	
Materials and supplies		104,784.57	
Accounts receivable—less reserve for doubtful accounts	$2,432.37		
Cash in banks:			
In the general bank acount of the Commission at Toronto	141,714.69		
In branch banks	5,399.28		
		149,546.34	
Insurance and expenses prepaid	$3,885.25		
Valuation and other expenses re purchase of plant assets of the railway and reissue of bonds—less 80% written off	3,559.08		
		7,444.33	
Due by certain municipalities in accordance with the apportionment by the Commission of the operating deficit for the year ending October 31, 1927, as provided under sections 9 and 10 of the Hydro Electric Railway Act		19,980.01	
			5,406,793.48
Carried forward			$207,567,382.82

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Brought forward			$186,787,831.22
Reserves for Renewals:—Continued			
Rideau system		$101,936.31	
Bonnechere storage system		2,732.25	
		$9,804,469.06	
Service buildings		235,470.01	
Office buildings		78,297.82	
			10,118,236.89
Reserves for Obsolescence and Contingencies:			
Niagara system		$5,295,646.85	
Niagara rural lines		473.00	
Thunder Bay system		100,824.23	
Georgian Bay system		345,450.38	
Georgian Bay rural lines		28.59	
St. Lawrence system		75,530.22	
Ottawa system		4,284.18	
Rideau system		69,556.43	
Bonnechere storage system		348.49	
			5,892,142.37
Balance at credit of interest account			3,806.62
Contingent Liabilities:			
In respect of contracts entered into for works under construction	$1,659,408.43		
Total, Power Undertakings			$202,802,017.10

UNDERTAKINGS

In respect of the Sandwich, Windsor and Amherstburg Railway:			
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Four and one-half per cent debentures, due 1960, issued in purchase of the railway	$2,039,000.00		
Four and one-half per cent debentures, due 1960, issued for the purpose of making extensions and betterments	61,000.00		
Six per cent debentures, due 1961, issued for the purpose of making extensions and betterments	900,000.00		
Five per cent debentures, due 1943, issued for the purpose of making extensions and betterments	966,205.00		
Five per cent debentures, due 1945, issued for the purpose of making extensions and betterments	750,000.00		
Five per cent debentures, due 1945, issued for the purpose of making extensions and betterments	100,000.00		
Five per cent debentures, due 1946, issued for the purpose of making extensions and betterments	350,000.00		
	$5,166,205.00		
Interest accrued thereon	52,438.13		
		$5,218,643.13	
Carried forward		$5,218,643.13	$202,802,017.10

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

ASSETS

Brought forward			$207,567,382.82
Guelph Radial Railway:			
Road and equipment		$430,056.92	
Materials and supplies		7,980.69	
Accounts receivable	$148.09		
Cash in banks:			
In the general bank account of the Commission at Toronto	1,833.36		
At Guelph	929.45		
		2,910.90	
Insurance and expenses prepaid	$1,235.39		
Valuation and other expenses re purchase of plant assets by the Commission, less 70% written off	768.90		
		2,004.29	
Due by the City of Guelph:			
Operating deficit for the year ending October 31, 1927, as per operating account	$23,988.11		
Less: Instalments of principal and interest payable to the City of Guelph, May 1, and November 1, 1927, under the terms of the purchase agreement	11,700.00		
		12,288.11	
			455,240.9 1
Toronto and York Radial Railway:			
City of Toronto—Debentures held as collateral security for the repayment of the Hydro Radial debentures issued in the purchase of the Toronto and York Radial Railway as per agreement of transfer (January 6, 1927) of the railways to the City of Toronto		$2,375,000.00	
City of Toronto—Interest on $2,375,000.00 debentures issued by the Commission in respect to the purchase of the Toronto and York Radial Railway by the City		59,375.00	
			2,434,375.00
Port Credit to St. Catharines Radial Railway:			
Purchase of right-of-way and carrying charges (taxes) down to October 31, 1927		$71,639.04	
Construction materials purchased, less amount realized on sale thereof		117,510.09	
Surveying, engineering, administrative expenses and interest		241,852.58	
			431,001.71
Toronto to Port Credit Radial Railway:			
Purchase of right-of-way and carrying charges (taxes less rental revenue) down to October 31, 1927		$429,991.14	
Surveying, engineering, administrative expenses and interest		280,434.91	
			710,426.05
			$211,598,426.49

COMMISSION OF ONTARIO

and Liabilities—Continued

UNDERTAKINGS—Continued

LIABILITIES			
Brought forward		$5,218,643.13	$202,802,017.10
Accounts payable and accrued charges	$7,314.75		
Provision for unredeemed tickets	10,400.00		
		17,714.75	
Premiums (less discount) on sale of debentures—less portion written off		66,706.27	
Reserve for renewal of road and equipment		103,729.33	
			5,406,793.48
Contingent Liabilities			
In respect of contracts entered into for works under construction—$5,982.34.			
In respect of the Guelph Radial Railway:			
City of Guelph—purchase price of the railway payable thereto, in half-yearly instalments, according to purchase agreement	$150,000.00		
Less Twelve instalments paid thereon	33,665.48		
		$116,334.52	
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Six per cent debentures, due 1931, issued for the purpose of making extensions and betterments		276,000.00	
Accounts payable and accrued charges	$1,296.99		
Provision for unredeemed tickets	1,300.00		
		2,596.99	
Premiums on sale of debentures—less portion written off		7,706.55	
Reserve created by payment of instalments on the purchase price out of the revenue of the road and assessments against the City of Guelph		33,665.48	
Reserve for renewal of road and equipment		18,937.37	
			455,240.91
In respect of Toronto and York Radial Railway:			
Debentures issued by the Commission and guaranteed by the Province of Ontario			
Six per cent debentures due 1940 issued in purchase of the Metropolitan, Scarboro and Mimico Radial Railway division		$2,375,000.00	
Interest accrued thereon		59,375.00	
			2,434,375.00
In respect of the Port Credit to St. Catharines Radial Railway:			
Bank of Montreal—advances (Secured by hypothecation of $1,200,000 Hydro Radial debentures, being part of an issue of $11,360,363 guaranteed by Province of Ontario)			500,000.00
			$211,598,426.49

NIAGARA

Operating Account for the

COST OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$301,767.05
Cost of operating and maintaining generating plants, transformer stations and transmission lines, including the proportion of administrative expenses chargeable to the operation of the system		4,158,119.34
Interest on capital invested		7,872,776.45
Provision for renewals of generating plants, transformer stations and transmission lines		898,739.95
Provision for contingencies:		
By charges against municipalities	$1,168,156.66	
Provision against equipment employed in respect of contracts with sundry customers	540,577.08	
		1,708,733.74
Provision for sinking funds for repayment of the cash advances of the Province to the Commission for the retirement of the bonds issued and assumed by the Commission:		
By charges against municipalities	$1,170,297.08	
By charges against sundry customers	466,947.01	
		1,637,244.09
		$16,577,380.62

NIAGARA SYSTEM—

Operating Account for the

Power purchased from Commission	$308,809.74
Costs of operating and maintaining transmission lines and equipment	235,553.62
Interest on capital investment	92,675.93
Provision for renewals of lines and equipment	78,193.87
Provision for contingencies	39,096.93
Provision for sinking fund for repayment of cash advances	20,764.27
	$775,094.36

SYSTEM

Year Ending October 31, 1927

REVENUE FOR PERIOD

Collected from municipalities	$12,018,215.54	
Power sold to sundry customers	4,975,411.62	
		$16,993,627.16
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	429,963.38	
Less:		
Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year	13,716.84	
		416,246.54
Revenue		$16,577,380.62
		$16,577,380.62

RURAL POWER DISTRICTS

Year ending October 31, 1927

Revenue collected from rural power districts		$904,574.85
Deduct:		
Surplus on operation of certain rural power districts	$134,675.59	
Less:		
Deficit on operation of certain rural power districts	5,195.10	
		129,480.49
		$775,094.36

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1927	To Oct. 31 1927				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Acton	.....	35.00	149,026.83	496.0	231.93	3,911.14	7,479.27	1,192.04
Agincourt	40.00	42.00	31,538.30	95.2	44.52	1,615.14	1,581.71	249.20
Ailsa Craig	54.00	50.00	34,954.97	82.7	38.67	982.96	1,708.17	349.72
Alvinston	75.00	90.00	72,399.72	91.4	42.74	2,183.83	3,481.37	886.49
Amherstburg	45.00	44.00	142,674.03	414.8	193.96	4,354.96	7,080.09	1,218.54
Ancaster twp	27.00	30.00	57,433.19	236.4	110.54	1,849.16	2,932.10	366.84
Arkona	.....	80.00	28,936.57	39.7	18.56	1,311.45	1,373.89	338.69
Aylmer	44.00	40.00	124,032.49	383.2	179.18	3,259.31	6,193.36	1,045.81
Ayr	40.00	35.00	32,926.55	110.1	51.48	1,084.29	1,650.71	262.66
Baden	35.00	34.00	89,487.11	303.2	141.78	2,740.35	4,478.48	697.64
Barton twp	.....	30.00	118,850.09	492.4	230.25	5,636.08	6,093.95	746.68
Beachville	.....	34.00	75,892.18	260.9	122.00	2,583.53	3,777.20	586.46
Belle River	55.00	42.00	35,527.82	109.9	51.39	1,060.95	1,747.45	279.95
Blenheim	45.00	39.00	97,642.18	295.0	137.94	3,308.29	4,861.30	826.47
Blyth	75.00	65.00	34,884.58	58.5	27.35	884.77	1,696.99	397.97
Bolton	.....	55.00	50,325.92	108.2	50.59	969.28	2,453.29	522.79
Bothwell	50.00	45.00	66,337.73	179.8	84.07	2,294.85	3,282.72	606.94
Brampton	32.00	30.00	373,272.04	1,415.1	661.70	11,850.69	18,875.66	2,597.48
Brantford	.....	27.00	2,148,293.54	8,817.6	4,123.09	59,791.15	109,581.00	13,705.12
Brantford twp	26.00	27.00	76,349.55	313.6	146.64	2,112.77	3,911.58	486.59
Brigden	75.00	88.00	34,444.27	42.5	19.87	887.62	1,624.04	416.09
Brussels	65.00	58.00	51,231.23	103.4	48.35	1,276.89	2,511.05	547.01
Burford	.....	50.00	39,062.76	105.9	49.52	1,640.53	1,921.83	359.22
Burgessville	55.00	53.00	15,788.47	42.4	19.83	732.64	769.23	143.47
Caledonia	.....	29.00	58,122.23	224.0	104.74	1,556.58	2,953.67	404.99
Campbellville	75.00	70.00	4,841.49	17.1	8.00	736.68	245.95	36.57
Cayuga	60.00	58.00	36,681.05	61.8	28.90	837.67	1,785.79	421.41
Chatham	31.00	30.00	1,071,759.23	4,008.0	1,874.13	30,454.28	54,270.62	7,424.63
Chippawa	.....	25.00	61,995.43	278.3	130.13	1,999.56	3,200.52	367.94
Clifford	70.00	60.00	23,272.89	39.5	18.47	403.85	1,133.10	264.65
Clinton	40.00	39.00	117,365.10	338.0	158.05	2,943.51	5,825.49	1,036.56
Comber	48.00	45.00	56,332.45	145.8	68.16	1,817.40	2,779.59	530.26
Cottam	65.00	50.00	15,337.77	35.2	16.46	440.69	754.98	151.29
Courtright	95.00	80.00	20,948.63	31.0	14.50	693.71	1,014.16	247.12
Dashwood	62.00	55.00	28,198.42	62.5	29.22	640.94	1,382.80	291.00
Delaware	48.00	42.00	5,966.02	20.1	9.40	272.50	294.82	45.72
Dorchester	48.00	42.00	19,938.65	68.9	32.22	707.35	998.92	152.01
Drayton	64.00	60.00	42,514.85	80.9	37.83	1,000.10	2,074.87	464.78
Dresden	38.00	40.00	92,525.66	248.7	116.29	3,318.53	4,429.70	801.86
Drumbo	.....	47.00	21,332.54	57.7	26.98	828.97	1,057.93	198.72

SYSTEM *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,440.07	1,586.51	15,840.96	38.76	15,802.20	17,360.70	1,558.50	.....
275.14	335.27	4,100.98	7.44	4,093.54	3,964.35	.....	129.19
269.59	370.80	3,719.91	6.46	3,713.45	4,198.21	484.76	.....
397.57	764.41	7,756.41	7.14	7,749.27	8,008.25	258.98	.....
1,275.19	1,510.04	15,632.78	32.41	15,600.37	18,325.62	2,725.25	.....
642.19	611.62	6,512.45	18.47	6,493.98	6,948.09	454.11	.....
162.83	299.49	3,504.91	3.10	3,501.81	3,177.30	.....	324.51
1,139.25	1,316.30	13,133.21	29.94	13,103.27	15,621.50	2,518.23	.....
319.42	350.38	3,718.94	8.60	3,710.34	3,948.18	237.84	.....
882.40	950.25	9,890.90	23.69	9,867.21	10,364.98	497.77	.....
1,331.81	1,268.97	15,307.74	38.48	15,269.26	14,770.50	.....	498.76
761.51	806.02	8,636.72	20.39	8,616.33	8,870.86	254.53	.....
327.13	369.96	3,836.83	8.59	3,828.24	4,862.33	1,034.09	.....
890.97	1,037.32	11,062.29	23.05	11,039.24	11,798.55	759.31	.....
217.41	369.25	3,593.74	4.57	3,589.17	3,902.48	313.31	.....
363.85	533.20	4,893.00	8.45	4,884.55	5,949.57	1,065.02	.....
566.21	704.68	7,539.47	14.05	7,525.42	8,245.35	719.93	.....
3,895.04	3,976.29	41,856.86	110.57	41,746.29	45,354.41	3,608.12	.....
23,899.53	22,915.11	234,015.00	689.00	233,326.00	238,075.26	4,749.26	.....
849.72	814.40	8,321.70	24.50	8,297.20	8,411.90	114.70	.....
190.74	358.17	3,496.53	3.32	3,493.21	3,677.67	184.46	.....
358.24	542.86	5,284.40	8.08	5,276.32	6,127.85	851.53	.....
332.86	411.83	4,715.79	8.27	4,707.52	5,293.30	585.78	.....
130.45	164.80	1,960.42	3.31	1,957.11	2,256.28	299.17	.....
617.12	619.82	6,256.92	17.50	6,239.42	6,495.49	256.07	.....
47.93	51.68	1,126.81	1.34	1,125.47	1,207.53	82.06	.....
233.10	388.41	3,695.28	4.83	3,690.45	3,621.90	.....	68.55
11,250.80	11,422.90	116,697.36	313.18	116,384.18	121,372.03	4,987.85	.....
725.54	662.57	7,086.26	21.75	7,064.51	6,957.67	.....	106.84
144.66	246.48	2,211.21	3.09	2,208.12	2,441.83	233.71	.....
1,015.80	1,246.99	12,226.40	26.41	12,199.99	12,853.09	653.10	.....
462.75	598.18	6,256.34	11.39	6,244.95	6,623.14	378.19	.....
116.95	161.76	1,642.13	2.75	1,639.38	1,843.64	204.26	.....
122.19	221.67	2,313.35	2.42	2,310.93	2,566.38	255.45	.....
206.09	298.97	2,849.02	4.88	2,844.14	3,520.09	675.95	.....
58.10	62.55	743.09	1.57	741.52	862.65	121.13	.....
197.38	211.10	2,298.98	5.38	2,293.60	2,968.80	675.20	.....
284.85	450.57	4,313.00	6.32	4,306.68	4,907.13	600.45	.....
769.47	948.30	10,384.15	19.43	10,364.72	9,844.21	.....	520.51
179.71	226.50	2,518.81	4.51	2,514.30	2,711.05	196.75	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1, 1927	To Oct. 31 1927				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Dublin	65.00	55.00	18,971.41	43.1	20.15	705.81	931.99	192.26
Dundas	.....	25.00	303,373.25	1,337.0	625.18	7,792.20	15,519.86	1,764.14
Dunnville	.....	41.00	160,175.65	501.3	234.41	7,236.98	8,020.39	1,389.85
Dutton	.....	40.00	50,092.10	170.1	79.54	2,084.77	2,514.33	390.90
Elmira	.....	33.00	246,280.13	853.6	399.14	5,997.98	12,413.18	1,889.77
Elora	37.00	36.00	108,126.58	341.9	159.87	2,840.42	5,407.06	902.70
Embro	68.00	60.00	30,149.98	65.9	30.81	2,437.46	1,516.37	327.15
Erieau	75.00	60.00	20,387.62	39.5	18.47	501.18	998.20	220.37
Erie Beach	80.00	65.00	7,133.75	12.6	5.89	187.27	348.23	79.74
Essex	45.00	40.00	79,745.61	248.2	116.06	1,879.45	3,972.84	644.89
Etobicoke twp.	.....	30.00	441,605.68	1,659.2	775.83	12,197.08	22,422.87	3,070.10
Exeter	48.00	42.00	117,539.74	344.4	161.04	3,128.45	5,850.74	1,036.00
Fergus	.....	37.00	124,430.68	396.8	185.54	3,349.43	6,231.50	1,031.76
Fonthill	.....	35.00	20,741.49	77.8	36.38	929.69	1,059.14	153.95
Ford City	38.00	34.00	761,033.16	2,831.3	1,323.91	29,695.77	38,471.96	5,119.12
Forest	.....	55.00	89,423.27	212.9	99.55	2,708.72	4,395.55	876.65
Galt	27.00	27.50	1,404,843.20	5,580.7	2,609.52	37,350.99	69,735.77	8,761.37
Georgetown	38.00	36.00	216,206.83	673.0	314.69	5,324.86	10,773.51	1,827.40
Glencoe	65.00	60.00	62,495.56	121.3	56.72	1,709.65	3,051.89	675.59
Goderich	45.00	43.00	352,953.07	915.1	427.90	8,966.38	17,427.88	3,334.34
Granton	55.00	50.00	24,885.05	62.1	29.04	715.18	1,224.55	241.60
Guelph	.....	27.00	1,528,886.90	6,528.4	3,052.67	41,822.87	78,193.64	9,200.35
Hagersville	32.00	31.00	221,144.41	794.2	371.37	5,448.00	11,162.65	1,661.96
Hamilton	.....	25.00	7,565,579.13	32,196.9	15,055.23	185,597.18	387,497.33	46,033.38
Harriston	45.00	44.00	90,419.98	241.4	112.88	2,688.44	4,473.49	840.24
Harrow	.....	55.00	48,141.15	138.5	64.76	1,470.33	2,407.03	419.75
Hensall	60.00	53.00	43,060.14	98.8	46.20	995.91	2,115.55	437.31
Hespeler	.....	29.00	238,405.64	896.1	419.01	6,277.06	11,810.42	1,599.52
Highgate	48.00	46.00	38,535.72	105.9	49.52	1,247.52	1,914.26	349.43
Humberstone	.....	28.00	64,302.00	268.4	125.50	2,180.81	3,306.24	421.64
Ingersoll	.....	29.00	459,121.31	1,862.9	871.09	14,951.03	23,328.36	2,949.21
Jarvis	40.00	38.00	51,347.76	147.5	68.97	1,098.46	2,563.86	462.82
Kingsville	48.00	44.00	121,997.17	352.3	164.73	3,487.51	6,049.24	1,045.53
Kitchener	.....	27.00	3,202,688.67	12,838.0	6,003.02	81,072.30	163,119.92	20,901.69
Lambeth	54.00	45.00	26,607.32	75.9	35.49	878.05	1,306.82	233.77
La Salle	.....	40.00	38,373.04	122.9	57.47	1,267.90	1,925.35	302.31
Leamington	48.00	42.00	192,735.98	607.4	284.02	4,897.18	9,694.02	1,562.74
Listowel	38.00	37.00	186,913.02	594.0	277.75	5,913.66	9,329.17	1,524.60
London	.....	26.00	5,337,786.19	22,434.4	10,490.28	136,170.45	272,522.48	32,702.92
London Ry.Com.	.....	.....	349,157.25	1,194.7	558.64	10,484.83	17,488.19	2,704.59

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
150.04	201.19	2,201.44	3.37	2,198.07	2,436.60	238.53	.....
3,517.31	3,241.06	32,459.75	104.47	32,355.28	33,881.92	1,526.64	.....
1,402.95	1,704.10	19,988.68	39.17	19,949.51	20,555.29	605.78	.....
493.59	532.83	6,095.96	13.29	6,082.67	6,804.02	721.35	.....
2,450.49	2,623.11	25,773.67	66.70	25,706.97	28,169.86	2,462.89	.....
1,007.62	1,150.47	11,468.14	26.72	11,441.42	12,349.44	908.02	.....
224.78	329.26	4,865.83	5.15	4,860.68	4,031.13	.....	829.55
138.22	215.91	2,092.35	3.09	2,089.26	2,450.37	361.11	.....
46.07	75.50	742.70	.98	741.72	833.01	91.29	.....
746.88	844.41	8,204.53	19.39	8,185.14	10,132.13	1,946.99	.....
4,648.67	4,703.80	47,818.35	129.65	47,688.70	49,777.25	2,088.55	.....
1,033.84	1,249.07	12,459.14	26.91	12,432.23	14,786.75	2,354.52	.....
1,160.46	1,324.06	13,282.75	31.01	13,251.74	14,683.42	1,431.68	.....
209.23	221.11	2,609.50	6.08	2,603.42	2,723.26	119.84	.....
7,903.81	8,061.87	90,576.44	221.23	90,355.21	98,287.11	7,931.90	.....
708.01	946.39	9,734.87	16.64	9,718.23	11,708.54	1,990.31	.....
15,131.72	14,605.75	148,195.12	436.07	147,759.05	158,909.96	11,150.91	.....
1,971.54	2,300.07	22,512.07	52.59	22,459.48	24,445.74	1,986.26	.....
427.97	662.24	6,584.06	9.48	6,574.58	7,385.08	810.50	.....
2,834.24	3,746.72	36,737.46	71.50	36,665.96	38,523.17	1,857.21	.....
195.41	263.69	2,669.47	4.85	2,664.62	3,138.20	473.58	.....
17,421.00	16,326.25	166,016.78	510.12	165,506.66	176,267.00	10,760.34	.....
2,232.74	2,356.30	23,233.02	62.06	23,170.96	24,700.93	1,529.97	.....
86,016.10	80,798.49	800,997.71	2,515.83	798,481.88	815,871.42	17,389.54	.....
754.48	960.76	9,830.29	18.86	9,811.43	10,661.38	849.95	.....
425.61	513.23	5,300.71	10.82	5,289.89	7,618.84	2,328.95	.....
321.63	456.69	4,373.29	7.72	4,365.57	5,356.74	991.17	.....
2,466.62	2,480.53	25,053.16	70.02	24,983.14	27,514.18	2,531.04	.....
328.42	409.40	4,298.55	8.27	4,290.28	4,908.13	617.85	.....
723.24	686.43	7,443.86	20.97	7,422.89	7,515.39	92.50	.....
5,017.45	4,885.96	52,003.10	145.57	51,857.53	55,725.42	3,867.89	.....
440.36	545.83	5,180.30	11.53	5,168.77	5,658.04	489.27	.....
1,094.49	1,289.95	13,131.45	27.53	13,103.92	15,746.39	2,642.47	.....
35,197.18	34,172.00	340,466.11	1,003.15	339,462.96	347,550.12	8,087.16	.....
230.76	279.10	2,963.99	5.93	2,958.06	3,549.14	591.08	.....
362.40	406.18	4,321.61	9.60	4,312.01	4,914.62	602.61	.....
1,798.32	2,055.62	20,291.90	47.46	20,244.44	26,081.85	5,837.41	.....
1,760.80	1,982.97	20,789.01	46.41	20,742.60	22,085.14	1,342.54	.....
60,236.62	56,947.50	569,070.25	1,753.00	567,317.25	583,294.28	15,977.03	.....
3,528.99	3,713.57	38,478.81	93.35	38,385.46	40,749.67	2,364.21	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power pur-chased	Share of operating costs and		
	To Jan. 1 1927	To Oct. 31 1927				Operating, main-tenance and adminis-trative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
London twp....	40.76	40.00	45,773.71	146.6	68.55	1,452.73	2,304.55	377.04
Louth twp.....	.....	25.16	5,379.29	24.3	11.36	144.65	278.12	30.49
Lucan.....	40.00	38.00	48,173.45	160.0	74.81	1,549.39	2,404.51	383.44
Lynden.....	43.00	40.00	45,300.09	137.3	64.20	1,323.23	2,255.60	393.35
Markham.....	60.00	58.00	49,570.83	119.1	55.69	2,274.02	2,485.23	372.59
Merlin.....	50.00	47.00	47,239.45	121.4	56.77	1,525.14	2,322.80	440.93
Merritton.....	.....	22.00	155,756.86	790.0	369.40	4,404.77	8,093.36	696.11
Milton.....	.....	32.00	263,034.30	925.9	432.95	8,310.73	13,237.76	1,993.06
Milverton.....	.....	35.00	154,535.83	517.7	242.08	4,662.81	7,702.20	1,190.48
Mimico.....	.....	27.00	353,215.76	1,457.8	681.66	8,881.24	18,057.63	2,180.01
Mitchell.....	35.00	34.00	104,589.13	359.3	168.01	2,984.07	5,248.76	799.29
Moorefield.....	.....	70.00	21,013.39	38.8	18.14	576.75	1,023.42	232.25
Mount Brydges.	54.00	47.00	17,571.92	51.7	24.17	723.46	863.97	150.98
Newbury.....	58.00	55.00	14,100.47	31.3	14.64	428.29	692.67	143.94
New Hamburg..	36.00	35.00	131,285.31	423.0	197.79	4,101.51	6,502.44	1,054.64
New Toronto...	30.00	29.00	1,110,462.28	4,289.5	2,005.76	29,400.35	56,362.30	7,467.16
Niagara Falls...	.....	19.00	1,417,173.82	7,809.6	3,651.76	33,884.72	74,308.24	5,418.13
Niagara-on-Lake	26.00	30.00	67,982.97	313.3	146.49	3,628.55	3,509.26	387.07
Norwich.....	.....	36.00	72,037.53	252.8	118.21	2,830.60	3,544.07	528.84
Oil Springs.....	36.00	40.00	90,918.66	245.3	114.70	2,397.76	4,508.21	832.77
Otterville.....	50.00	45.00	26,294.59	78.6	36.75	1,085.00	1,293.31	222.88
Palmerston.....	42.00	40.00	125,190.20	376.7	176.14	4,069.58	6,252.62	1,072.57
Paris.....	.....	28.00	290,721.85	1,165.5	544.99	8,866.82	14,783.20	1,912.98
Parkhill.....	70.00	65.00	64,132.30	113.7	53.17	1,423.70	3,120.22	721.79
Petrolia.....	38.00	40.00	305,700.46	854.1	399.38	8,805.52	15,094.62	2,710.61
Plattsville.....	75.00	70.00	23,490.30	41.3	19.31	654.98	1,136.51	265.56
Point Edward...	.....	40.00	139,953.48	461.7	215.89	5,931.84	7,029.77	1,099.85
Port Colborne...	.....	28.00	254,165.43	1,060.9	496.07	8,472.84	13,028.32	1,666.62
Port Credit.....	.....	32.00	89,754.95	331.0	154.77	3,232.73	4,560.85	650.04
Port Dalhousie..	28.00	30.00	74,761.51	311.6	145.70	2,740.19	3,821.08	477.71
Port Dover.....	45.00	43.00	77,631.32	204.6	95.67	2,654.05	3,758.89	704.49
Port Rowan....	.....	66.98	36,598.75	39.6	18.52	1,167.73	1,635.73	425.17
Port Stanley....	.....	45.00	91,589.16	257.5	120.42	2,829.46	4,428.02	795.26
Preston.....	.....	27.00	682,634.01	2,760.5	1,290.80	18,268.97	33,922.95	4,152.67
Princeton.....	75.00	65.00	18,283.35	36.1	16.88	561.07	890.84	198.38
Queenston.....	27.00	29.00	20,121.35	85.1	39.79	588.79	1,030.04	129.37
Richmond Hill..	40.00	42.00	55,101.84	175.8	82.20	2,449.98	2,775.02	412.87
Ridgetown.....	.....	38.00	108,710.92	337.7	157.93	3,371.02	5,429.94	901.70
Riverside.....	42.00	36.00	293,771.71	974.3	455.58	6,279.43	14,757.84	2,241.84
Rockwood.....	55.00	53.00	25,331.27	61.7	28.85	606.66	1,243.27	250.12

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
433.10	486.79	5,122.76	11.46	5,111.30	5,883.75	772.45	.....
62.95	57.38	584.95	1.90	583.05	578.61	.....	4.44
463.65	511.59	5,387.39	12.50	5,374.89	6,137.73	762.84	.....
405.41	481.79	4,923.58	10.73	4,912.85	5,566.54	653.69	.....
367.16	462.13	6,016.82	9.31	6,007.51	6,948.61	941.10	.....
383.60	497.66	5,226.90	9.49	5,217.41	5,757.73	540.32	.....
1,955.64	1,658.27	17,177.55	61.73	17,115.82	17,380.03	264.21	.....
2,599.66	2,807.75	29,381.91	72.35	29,309.56	29,629.67	320.11	.....
1,504.71	1,631.15	16,933.43	40.45	16,892.98	18,118.45	1,225.47	.....
3,913.48	3,769.61	37,483.63	113.91	37,369.72	39,359.23	1,989.51	.....
1,029.07	1,113.16	11,342.36	28.08	11,314.28	12,275.51	961.23	.....
138.03	222.66	2,211.25	3.03	2,208.22	2,713.41	505.19	.....
156.23	184.32	2,103.13	4.04	2,099.09	2,487.57	388.48	.....
106.54	149.54	1,535.62	2.45	1,533.17	1,734.46	201.29	.....
1,243.15	1,382.83	14,482.36	33.05	14,449.31	14,871.71	422.40	.....
11,871.09	11,830.81	118,937.47	335.18	118,602.29	125,084.87	6,482.58	.....
18,942.02	15,148.49	151,353.36	610.22	150,743.14	148,381.57	.....	2,361.57
788.38	726.85	9,186.60	24.48	9,162.12	9,211.21	49.09	.....
713.38	753.34	8,488.44	19.75	8,468.69	9,101.70	633.01	.....
791.85	965.96	9,611.25	19.17	9,592.08	9,621.54	29.46	.....
233.78	275.26	3,146.98	6.14	3,140.84	3,615.58	474.74	.....
1,134.02	1,331.73	14,036.66	29.43	14,007.23	15,200.91	1,193.68	.....
3,178.27	3,100.11	32,386.37	91.07	32,295.30	32,720.49	425.19	.....
410.81	678.96	6,408.65	8.88	6,399.77	7,489.15	1,089.38	.....
2,701.92	3,230.68	32,942.73	66.74	32,875.99	35,140.10	2,264.11	.....
150.98	248.69	2,476.03	3.23	2,472.80	2,932.32	459.52	.....
1,373.70	1,489.87	17,140.92	36.08	17,104.84	18,468.80	1,363.96	.....
2,858.71	2,713.25	29,235.81	82.90	29,152.91	29,704.69	551.78	.....
936.73	959.89	10,495.01	25.86	10,469.15	10,591.15	122.00	.....
821.59	796.68	8,802.95	24.35	8,778.60	9,347.96	569.36	.....
632.76	803.02	8,648.88	15.99	8,632.89	8,868.23	235.34	.....
178.52	358.17	3,783.84	3.09	3,780.75	2,649.94	.....	1,130.81
782.91	949.46	9,905.53	20.12	9,885.41	11,587.47	1,702.06	.....
7,454.73	7,097.58	72,187.70	215.70	71,972.00	74,656.88	2,684.88	.....
124.79	193.69	1,985.65	2.82	1,982.83	2,406.81	423.98	.....
224.37	214.45	2,226.81	6.65	2,220.16	2,439.56	219.40	.....
504.57	585.89	6,810.53	13.74	6,796.79	7,314.76	517.97	.....
1,009.20	1,156.30	12,026.09	26.39	11,999.70	12,834.32	834.62	.....
2,853.85	3,111.37	29,699.91	76.13	29,623.78	36,017.50	6,393.72	.....
197.72	268.84	2,595.46	4.82	2,590.64	3,292.21	701.57	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1927	To Oct. 31 1927				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Rodney	48.00	46.00	34,068.93	98.8	46.20	1,477.71	1,695.10	301.65
St. Catharines	.....	21.00	1,387,426.53	6,960.2	3,254.57	37,478.78	72,160.17	6,432.89
St. Clair Beach	50.00	42.00	19,004.75	56.7	26.51	459.10	945.80	159.09
St. George	.....	46.00	35,555.95	95.2	44.51	1,193.42	1,759.39	333.38
St. Jacobs	.....	35.00	43,271.58	147.9	69.16	1,317.88	2,182.45	336.42
St. Marys	.....	35.00	337,211.39	1,196.8	559.62	11,862.70	17,041.88	2,459.09
St. Thomas	30.00	28.00	1,102,550.53	4,524.9	2,115.83	32,156.06	56,120.49	6,948.87
Sandwich	35.00	32.00	832,926.18	2,896.6	1,354.44	18,686.04	42,082.42	6,053.07
Sarnia	38.00	36.00	1,593,948.37	5,114.9	2,391.72	40,047.79	79,894.70	12,836.97
Scarboro twp	34.00	36.00	405,390.10	1,561.5	730.15	21,389.14	20,661.50	2,408.77
Seaforth	38.00	36.00	138,536.67	442.5	206.91	3,761.02	6,889.23	1,130.30
Simcoe	.....	31.00	228,163.90	804.9	376.37	7,953.54	11,519.96	1,731.95
Springfield	66.00	50.00	37,326.42	87.1	40.73	831.44	1,839.26	375.18
Stamford twp	.....	21.00	198,561.78	1,095.3	512.16	5,517.24	10,447.31	764.83
Stouffville	.....	60.00	47,118.06	97.6	45.64	1,302.84	2,335.73	485.32
Stratford	.....	30.00	1,539,721.86	5,966.7	2,790.03	43,543.53	78,136.25	10,316.34
Strathroy	37.00	34.00	213,439.37	718.8	336.11	5,405.99	10,718.85	1,686.91
Streetsville	.....	.....	117,348.32	382.1	178.68	3,731.13	5,846.34	943.56
Sutton	65.00	60.00	40,650.95	99.7	46.62	2,898.84	2,011.16	375.16
Tavistock	40.00	38.00	125,457.14	405.7	189.70	3,520.23	6,289.64	1,012.92
Tecumseh	45.00	39.00	73,945.83	226.0	105.68	1,669.61	3,691.72	607.05
Thamesford	47.00	45.00	44,599.29	115.1	53.82	1,342.72	1,945.03	344.98
Thamesville	48.00	42.00	50,592.13	154.8	72.38	1,737.31	2,528.14	424.72
Thedford	80.00	83.00	29,845.34	46.8	21.88	955.35	1,440.24	344.66
Thorndale	70.00	65.00	22,844.19	49.2	23.01	930.34	1,108.51	237.06
Thorold	23.00	24.00	184,711.62	883.0	412.89	5,402.59	9,563.77	944.36
Tilbury	40.00	38.00	123,477.19	395.9	185.12	4,637.30	6,188.40	997.56
Tillsonburg	36.00	34.00	202,173.14	700.2	327.41	7,607.14	9,984.65	1,505.18
Toronto	.....	26.10	47,004,723.88	186,526.1	87,219.20	1,064,144.36	2,394,217.73	266,429.97
Toronto twp	.....	33.00	217,038.31	817.1	382.07	8,332.70	11,029.01	1,528.27
Walkerville	33.00	30.00	1,270,984.94	4,731.2	2,212.30	29,239.74	63,782.93	8,538.21
Wallaceburg	.....	35.00	728,726.59	2,431.4	1,136.92	23,636.26	36,566.95	5,631.80
Wardsville	80.00	74.00	11,791.56	20.9	9.77	442.73	574.40	131.75
Waterdown	40.00	35.00	41,286.40	155.7	72.80	1,121.31	2,075.75	294.45
Waterford	34.00	33.00	85,228.16	292.5	136.77	3,316.98	4,242.03	648.33
Waterloo	.....	28.00	660,333.59	2,629.7	1,229.64	16,943.05	33,608.18	4,346.00
Watford	60.00	57.00	74,707.44	162.7	76.08	2,319.65	3,660.95	765.48
Welland	.....	23.00	654,026.16	3,278.5	1,533.02	18,808.65	34,023.30	3,186.78
Wellesley	.....	45.00	47,555.88	119.8	56.02	1,418.75	2,337.15	458.61
West Lorne	.....	40.00	95,485.82	309.0	144.49	3,834.85	4,781.70	777.44

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
298.14	361.85	4,180.65	7.72	4,172.93	4,575.55	402.62	.....
17,262.28	14,820.45	151,409.14	543.86	150,865.28	146,163.60	.....	4,701.68
171.37	201.17	1,963.04	4.43	1,958.61	2,467.13	508.52	.....
297.51	377.57	4,005.78	7.44	3,998.34	4,380.32	381.98	.....
432.14	460.80	4,798.85	11.56	4,787.29	5,175.30	388.01	.....
3,451.78	3,605.41	38,980.48	93.52	38,886.96	41,888.79	3,001.83	.....
12,267.74	11,752.22	121,361.21	353.57	121,007.64	128,311.61	7,303.97	.....
8,318.83	8,820.55	85,315.35	226.34	85,089.01	94,222.43	9,133.42	.....
15,310.06	16,963.43	167,444.67	399.67	167,045.00	186,008.46	18,963.46	.....
4,210.24	4,320.60	53,720.40	122.01	53,598.39	55,636.42	2,038.03	.....
1,291.07	1,473.37	14,751.90	34.58	14,717.32	16,106.51	1,389.19	.....
2,278.81	2,429.36	26,289.99	62.89	26,227.10	24,950.55	.....	1,276.55
283.54	395.70	3,765.85	6.81	3,759.04	4,522.64	763.60	.....
2,655.71	2,128.06	22,025.31	85.59	21,939.72	23,000.39	1,060.67	.....
331.74	505.05	5,006.32	7.63	4,998.69	5,855.50	856.81	.....
16,561.14	16,409.71	167,757.00	466.23	167,290.77	178,999.75	11,708.98	.....
2,038.11	2,273.26	22,459.23	56.17	22,403.06	24,107.17	1,704.11	.....
1,125.98	1,243.68	13,069.37	29.85	13,039.52	11,867.83	.....	1,171.69
313.05	431.27	6,076.10	7.79	6,068.31	6,045.41	.....	22.90
1,200.12	1,334.42	13,547.03	31.70	13,515.33	15,560.62	2,045.29	.....
677.82	782.82	7,534.70	17.66	7,517.04	9,007.30	1,490.26	.....
343.64	416.57	4,446.76	8.99	4,437.77	5,224.57	786.80	.....
468.70	538.03	5,769.28	12.10	5,757.18	6,668.75	911.57	.....
182.56	314.71	3,259.40	3.66	3,255.74	3,856.28	600.54	.....
163.52	240.95	2,703.39	3.84	2,699.55	3,229.00	529.45	.....
2,241.26	1,970.21	20,535.08	69.00	20,466.08	21,043.65	577.57	.....
1,178.31	1,313.77	14,500.46	30.94	14,469.52	15,170.50	700.98	.....
1,953.28	2,114.94	23,492.60	54.71	23,437.89	24,064.29	626.40	.....
499,030.27	501,152.39	4,812,193.92	14,574.96	4,797,618.96	4,868,331.17	70,712.21	.....
2,297.63	2,315.94	25,885.62	63.85	25,821.77	26,963.97	1,142.20	.....
13,202.21	13,460.42	130,435.81	369.69	130,066.12	144,396.49	14,330.37	.....
7,084.46	7,721.24	81,777.63	189.99	81,587.64	85,100.04	3,512.40	.....
76.95	124.88	1,360.48	1.63	1,358.85	1,571.85	213.00	.....
431.26	439.92	4,435.49	12.17	4,423.32	5,594.63	1,171.31	.....
845.29	896.13	10,085.53	22.86	10,062.67	9,709.27	.....	353.40
7,222.48	7,045.01	70,394.36	205.48	70,188.88	73,631.57	3,442.69	.....
559.54	790.30	8,172.00	12.71	8,159.29	9,353.95	1,194.66	.....
8,183.10	7,001.04	72,735.89	256.18	72,479.71	75,406.22	2,926.51	.....
379.95	503.90	5,154.38	9.36	5,145.02	5,392.84	247.82	.....
904.76	1,015.19	11,458.43	24.14	11,434.29	12,358.26	923.97	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
	To Jan. 1 1927	To Oct. 31 1927				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Weston	.....	28.00	569,167.47	2,272.0	1,062.38	14,173.57	28,956.73	3,676.16
Wheatley	60.00	50.00	39,650.39	93.9	43.91	835.80	1,962.58	389.41
Windsor	30.00	29.00	5,864,946.13	21,927.1	10,253.06	131,731.56	295,665.37	39,108.37
Woodbridge	.....	36.00	53,825.30	171.3	80.10	2,116.92	2,678.94	440.97
Woodstock	28.00	27.00	892,856.19	3,847.8	1,799.22	25,093.94	45,738.36	5,295.79
Wyoming	60.00	54.00	23,316.20	48.2	22.54	589.00	1,139.33	245.41
York East twp.	.....	35.00	672,682.63	2,613.0	1,221.83	37,533.05	34,396.06	3,944.71
York North twp.	.....	35.00	181,735.26	680.2	318.06	7,052.08	9,233.42	1,124.97
Zurich	68.00	65.00	49,758.08	94.1	44.00	1,085.90	2,425.34	547.67
Sandwich, Windsor and Amherstburg Railway			764,409.43	2,762.4	1,291.69	17,240.26	38,652.47	5,314.24
Toronto and York Railway			214,802.26	716.8	335.17	8,458.37	10,539.76	1,551.57
Toronto Transportation Comm.			691,023.45	2,288.0	1,069.86	29,321.66	34,967.57	5,054.37
RURAL POWER DISTRICTS								
Amherstburg—Anderdon, Malden, Colchester N., and Colchester S. twps			114,549.37	334.0	156.18	2,816.16	5,694.14	976.19
Aylmer—Dorchester S., Malahide, Yarmouth, Bayham and Dorchester N. twps			28,431.08	84.8	39.65	1,064.11	1,421.47	246.76
Ayr—Dumfries N. and Blenheim twps			2,279.78	7.4	3.46	62.66	115.01	18.65
Baden—Wilmot, Wellesley, Waterloo and Blenheim twps.			25,287.14	84.7	39.60	825.26	1,270.27	199.03
Barton—Barton, Glandford and Ancaster twps			10,109.32	40.1	18.75	555.02	516.74	67.27
Beamsville—Grimsby N., Gainsborough, Clinton and Louth twps			111,080.30	411.6	192.46	3,339.41	5,627.64	815.92
Belle River—Maidstone and Rochester twps			43,174.78	135.4	63.31	1,265.05	2,119.15	335.95
Blenheim—Raleigh and Harwich twps			6,818.38	20.6	9.63	244.65	340.98	57.71
Bolton—Albion twp			2,551.37	5.6	2.62	47.61	124.51	26.26
Bond Lake—King, Vaughan, Markham and Whitchurch twps			76,279.54	256.0	119.71	3,649.79	3,847.40	541.83
Bothwell—Ekfrid, Zone, Oxford, Aldborough and Mosa twps.			5,165.72	11.9	5.56	172.68	254.99	51.81
Brampton—Chinguacousy and Toronto twps			2,769.67	10.5	4.91	132.73	140.66	19.27
Brant—Brantford, Blenheim and Dumfries S. twps			50,142.47	187.6	87.72	1,753.07	2,544.38	356.06

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,141.24	6,070.56	60,080.64	177.53	59,903.11	63,615.78	3,712.67	.....
304.47	421.55	3,957.72	7.34	3,950.38	4,855.89	905.51	.....
61,108.64	62,058.60	599,925.60	1,713.36	598,212.24	640,001.86	41,789.62	.....
506.13	572.69	6,395.75	13.39	6,382.36	6,166.47	.....	215.89
10,227.59	9,533.30	97,688.20	300.66	97,387.54	104,528.30	7,140.76	.....
167.29	247.21	2,410.78	3.77	2,407.01	2,650.95	243.94	.....
7,034.36	7,169.60	91,299.61	204.18	91,095.43	91,456.43	361.00	.....
1,857.68	1,930.67	21,516.88	53.15	21,463.73	23,808.41	2,344.68	.....
329.88	527.04	4,959.83	7.35	4,952.48	6,176.07	1,223.59	.....
7,782.60	8,095.80	78,377.06	215.85	78,161.21	85,410.21	7,249.00	.....
2,029.69	2,285.08	25,199.64	56.01	25,143.63	27,239.08	2,095.45	.....
6,486.55	7,350.15	84,250.16	178.78	84,071.38	87,361.99	3,290.61	.....
1,025.61	1,212.39	11,880.67	26.10	11,854.57	11,854.57	.....	.....
257.70	302.06	3,331.75	6.63	3,325.12	3,325.12	.....	.....
21.64	24.24	245.66	0.58	245.08	245.08	.....	.....
247.72	268.36	2,850.24	6.62	2,843.62	2,843.62	.....	.....
110.61	107.88	1,376.27	3.13	1,373.14	1,373.14	.....	.....
1,129.69	1,182.14	12,287.26	32.17	12,255.09	12,255.09	.....	.....
401.54	449.53	4,634.53	10.58	4,623.95	4,623.95	.....	.....
62.22	72.44	787.63	1.61	786.02	786.02	.....	.....
18.57	27.04	246.61	0.44	246.17	246.17	.....	.....
723.18	811.48	9,693.39	20.00	9,673.39	9,673.39	.....	.....
39.42	54.80	579.26	0.93	578.33	578.33	.....	.....
28.90	29.50	355.97	0.82	355.15	355.15	.....	.....
526.77	532.79	5,800.79	14.66	5,786.13	5,786.13	.....	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Brigden—Moore and Sombra twps.	5,511.08	6.8	3.18	197.53	262.11	66.57
Burford—Burford and Oakland twps.	13,205.35	35.8	16.74	630.79	654.92	121.44
Caledonia—Glandford and Oneida twps.	4,518.51	16.6	7.77	178.62	230.04	33.04
Chatham—Dover, Chatham, Raleigh and Harwich twps.	31,125.02	113.7	53.17	894.64	1,572.44	221.45
Chippawa—Willoughby and Bertie twps.	19,321.71	84.5	39.51	610.29	990.07	119.19
Delaware—Delaware, Westminster, Caradoc, Ekfrid, Lobo and London twps.	28,747.30	89.0	41.62	1,298.83	1,418.89	237.36
Dorchester—London, Nissouri W., Nissouri E., Oxford N., Dorchester N., Dorchester S. Westminster and Yarmouth twps.	57,328.78	203.7	95.25	2,703.24	2,879.21	425.60
Drumbo—Blenheim, Burford and Blandford twps.	13,389.41	29.1	13.61	450.35	655.54	139.68
Dundas—Flamboro W., Beverley, Ancaster and Flamboro E. twps.	60,116.25	250.9	117.32	1,437.28	3,085.53	378.84
Dutton—Dunwich twp.	3,062.64	10.4	4.86	126.12	154.84	23.91
Elmira—Woolwich twp.	5,926.31	19.5	9.12	141.07	299.60	47.67
Elora—Pilkington, Nichol and Peel twps.	14,515.97	45.9	21.46	473.57	727.26	121.19
Essex—Sandwich S., Maidstone, Rochester, Colchester N., Gosfield N. and Gosfield S. twps.	20,659.31	64.3	30.07	508.39	1,026.56	167.07
Exeter—Hay, Stephen, Usborne, Tuckersmith and Bosanquet twps.	37,091.82	98.7	46.15	1,240.96	1,841.21	347.99
Forest—Warwick, Bosanquet, Williams West and Adelaide twps.	635.54	1.1	0.51	79.45	30.79	7.07
Galt—Dumfries N. and Dumfries S. twps.	17,526.05	66.4	31.05	966.77	869.64	115.40
Georgetown—Esquesing and Chinguacousy twps.	6,809.21	20.9	9.77	208.95	341.91	58.18
Goderich—Colborne and Goderich twps.	14,989.47	37.8	17.68	364.02	742.81	143.88
Grantham—Grantham, Louth and Niagara twps.	61,120.62	280.4	131.11	1,831.53	3,147.34	337.55
Guelph—Guelph and Puslinch twps.	11,586.35	47.6	22.26	445.22	594.30	73.66

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
30.52	57.30	617.21	0.53	616.68	616.68	.....	.....
112.52	139.22	1,675.63	2.80	1,672.83	1,672.83	.....	.....
47.06	48.16	544.69	1.30	543.39	543.39	.....	.....
322.77	331.65	3,396.12	8.88	3,387.24	3,387.24	.....	.....
222.79	206.43	2,188.28	6.60	2,181.68	2,181.68	.....	.....
263.04	301.47	3,561.21	6.95	3,554.26	3,554.26	.....	.....
575.57	607.39	7,286.26	15.92	7,270.34	7,270.34	.....	.....
97.21	141.93	1,498.32	2.27	1,496.05	1,496.05	.....	.....
678.07	641.76	6,338.80	19.61	6,319.19	6,319.19	.....	.....
30.18	32.58	372.49	0.81	371.68	371.68	.....	.....
57.49	63.09	618.04	1.52	616.52	616.52	.....	.....
135.28	154.45	1,633.21	3.59	1,629.62	1,629.62	.....	.....
193.50	218.76	2,144.35	5.02	2,139.33	2,139.33	.....	.....
305.51	393.82	4,175.64	7.71	4,167.93	4,167.93	.....	.....
4.08	6.66	128.56	0.09	128.47	128.47	.....	.....
183.75	181.61	2,348.22	5.19	2,343.03	2,343.03	.....	.....
61.70	72.43	752.94	1.63	751.31	751.31	.....	.....
119.14	159.09	1,546.62	2.95	1,543.67	1,543.67	.....	.....
721.56	652.09	6,821.18	21.91	6,799.27	6,799.27	.....	.....
129.21	123.66	1,388.31	3.72	1,384.59	1,384.59	.....	.....

NIAGARA

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Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Haldimand—Walpole, Rainham, Cayuga N. and Oneida twps.	4,815.30	10.2	4.77	89.95	236.38	50.97
Harrow—Colchester S. and Walden twps.	33,507.58	96.4	45.07	930.02	1,683.61	292.14
Ingersoll—Oxford N. and Oxford W. twps.	1,279.23	5.2	2.43	158.20	64.84	8.21
Jordan—Louth, Thorold and Grantham twps.	5,960.83	26.1	12.21	181.24	302.97	35.46
Keswick—Georgina and Gwillimbury N. twps.	38,129.02	118.5	55.41	2,650.37	1,911.56	293.10
Kingsville—Gosfield N., Gosfield S., Mersea and Romney twps.	91,818.00	275.6	128.87	2,316.81	4,569.78	768.57
Lansing—York N. and Vaughan twps.	14,830.91	56.7	26.51	670.43	754.45	89.56
Listowel—Wallace and Elma twps.	11,013.40	35.0	16.37	388.93	554.28	89.83
London—Westminster, Delaware and London twps.	176,648.91	637.3	298.00	5,929.05	8,945.51	1,303.55
Lucan—Stephen, London, McGillivray and Biddulph twps.	11,065.76	37.3	17.44	469.76	559.61	87.05
Lynden—Beverly and Ancaster twps.	18,258.77	56.6	26.47	512.52	912.45	155.93
Markham—Markham, Scarboro, Pickering and Whitchurch twps.	26,878.97	77.1	36.05	908.96	1,359.63	227.86
Milton—Nassagaweya, Esquesing, Trafalgar and Nelson twps.	8,213.31	28.5	13.33	330.52	417.54	63.10
Milverton—Mornington twp.	1,402.99	4.7	2.20	88.89	70.46	10.80
Mitchell—Ellice, Logan and Elma twps.	26,189.08	70.4	32.92	646.85	1,305.09	242.05
Mount Joy—Markham and Whitchurch twps.	1,181.62	3.3	1.54	33.37	59.69	10.32
Newmarket—Gwillimbury E., King and Whitchurch twps.	45,554.49	141.4	66.12	1,697.96	2,292.59	350.57
Niagara—Niagara twp.	86,671.66	423.0	197.80	2,255.81	4,514.15	444.93
Norwich—Norwich N., Norwich S., Dereham, Oxford E., Burford and Windham twps.	51,150.07	179.5	83.93	2,323.49	2,532.80	375.50
Oil Springs—Enniskillen, Dawn and Brooke twps.	11,415.56	29.9	13.98	302.51	568.22	106.51
Palmerston—Maryborough and Wallace twps.	332.33	1.0	0.47	15.57	16.69	2.85
Petrolia—Enniskillen twp.	548.71	1.6	0.75	22.15	26.56	4.77
Preston—Waterloo and Dumfries N. twps.	97,480.24	356.3	166.61	2,668.76	4,806.03	668.61

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c
34.86	51.05	467.98	0.80	467.18	467.18	.....	.....
296.25	357.22	3,604.31	7.53	3,596.78	3,596.78	.....	.....
14.01	13.62	261.31	0.41	260.90	260.90	.....	.....
68.65	63.54	664.07	2.04	662.03	662.03	.....	.....
344.81	405.31	5,660.56	9.26	5,651.30	5,651.30	.....	.....
837.98	974.48	9,596.49	21.54	9,574.95	9,574.95	.....	.....
154.00	158.02	1,852.97	4.42	1,848.55	1,848.55	.....	.....
103.74	116.84	1,269.99	2.73	1,267.26	1,267.26	.....	.....
1,817.86	1,880.64	20,174.61	49.81	20,124.80	20,124.80	.....	.....
108.07	117.62	1,359.55	2.92	1,356.63	1,356.63	.....	.....
165.97	194.24	1,967.58	4.42	1,963.16	1,963.16	.....	.....
232.73	289.80	3,055.03	6.02	3,049.01	3,049.01	.....	.....
80.61	87.65	992.75	2.23	990.62	990.52	.....	.....
13.66	14.80	200.81	0.37	200.44	200.44	.....	.....
231.90	278.09	2,736.90	5.50	2,731.40	2,731.40	.....	.....
10.18	12.80	127.90	0.26	127.64	127.64	.....	.....
416.44	484.23	5,307.91	11.05	5,296.86	5,296.86	.....	.....
1,061.72	926.83	9,401.24	33.05	9,368.19	9,368.19	.....	.....
506.54	534.91	6,357.17	14.03	6,343.14	6,343.14	.....	.....
98.20	121.26	1,210.68	2.34	1,208.34	1,208.34	.....	.....
3.02	3.53	42.13	0.08	42.05	42.05	.....	.....
4.99	5.83	65.05	0.13	64.92	64.92	.....	.....
1,006.40	1,009.21	10,325.62	27.84	10,297.78	10,297.78	.....	.....

NIAGARA

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Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Ridgetown—Howard, Oxford, Harwich, Aldborough and Rondeau Park twps.	30,888.96	90.8	42.46	984.82	1,538.66	267.33
St. Jacobs—Wellesley and Woolwich twps.	37,156.78	127.0	59.38	1,029.55	1,873.89	288.88
St. Thomas—Southwold, Yarmouth and Westminster twps.	57,307.37	218.1	101.99	2,066.46	2,908.84	397.47
Saltfleet—Saltfleet, Barton and Grimsby N. twps.	95,795.35	363.1	169.78	2,795.07	4,852.94	672.92
Sandwich—Sandwich W., Sandwich E., Sandwich S., Maidstone, Anderdon and Colchester N. twps.	173,761.99	603.4	282.16	4,535.38	8,587.63	1,264.51
Sarnia—Sarnia, Moore and Plympton twps.	87,971.67	278.1	130.04	3,757.88	4,414.90	713.94
Scarboro—Scarboro, Pickering and York N. twps.	9,141.03	31.7	14.82	818.73	447.48	57.72
Simcoe—Woodhouse, Charlotteville, Windham and Townsend twps.	17,894.47	63.7	29.79	619.23	906.96	134.63
Stamford—Thorold and Stamford twps.	14,188.28	76.0	35.54	711.75	743.11	59.36
Stratford—Ellice and Downie twps.	32,480.86	124.9	58.40	904.12	1,651.26	219.70
Strathroy—Adelaide twp.	3,966.97	13.4	6.26	277.11	201.13	31.26
Streetsville—Toronto, Trafalgar, Esquesing and Chinguacousy twps.	12,475.64	45.9	21.46	466.54	633.31	89.06
Tavistock—Easthope N., Easthope S. and Zorra twps.	12,554.98	40.6	18.98	348.31	630.11	101.36
Tilbury—Tilbury E., Tilbury N. and Raleigh twps.	5,198.90	16.2	7.58	169.57	256.71	40.90
Tillsonburg—Norwich S., Bayham, Malahide, Dereham, Middleton and Norwich N. twps.	49,491.77	149.3	69.81	2,249.33	2,427.43	416.70
Wallaceburg—Dover, Chatham and Sombra twps.	32,594.48	107.3	50.17	1,246.19	1,627.13	254.27
Walsingham—Walsingham S. and Charlotteville twps.	24,178.67	31.4	14.68	773.11	1,088.44	270.56
Walton—Morris, Grey and McKillop twps.	5,210.34	11.9	5.56	135.95	256.97	52.67
Waterdown—Flamboro E., Flambor W. and Nelson twps.	55,075.05	207.7	97.12	1,463.36	2,803.53	392.80
Waterford—Windham and Townsend twps.	11,567.71	39.7	18.56	438.65	576.89	87.99

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

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Contingencies and obsolescence	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c
276.22	328.38	3,437.87	7.10	3,430.77	3,430.77	.....	.....
371.07	395.68	4,018.45	9.92	4,008.53	4,008.53	.....	.....
612.04	610.34	6,697.14	17.04	6,680.10	6,680.10	.....	.....
1,022.86	1,021.62	10,535.19	28.37	10,506.82	10,506.82	.....	.....
1,741.52	1,839.94	18,251.14	47.15	18,203.99	18,203.99	.....	.....
839.97	933.54	10,790.27	21.74	10,768.53	10,768.53	.....	.....
88.29	93.89	1,520.93	2.48	1,518.45	1,518.45	.....	.....
180.52	190.55	2,061.68	4.98	2,056.70	2,056.70	.....	.....
186.38	152.06	1,888.20	5.94	1,882.26	1,882.26	.....	.....
347.92	346.13	3,527.53	9.76	3,517.77	3,517.77	.....	.....
37.94	42.24	595.94	1.05	594.89	594.89	.....	.....
129.08	132.34	1,471.79	3.59	1,468.20	1,468.20	.....	.....
120.10	133.54	1,352.40	3.17	1,349.23	1,349.23	.....	.....
48.14	54.21	577.11	1.27	575.84	575.84	.....	.....
448.40	518.17	6,129.84	11.67	6,118.17	6,118.17	.....	.....
314.80	344.77	3,837.33	8.38	3,828.95	3,828.95	.....	.....
129.02	237.27	2,513.08	2.45	2,510.63	2,510.63	.....	.....
39.52	55.26	545.93	0.93	545.00	545.00	.....	.....
575.29	586.85	5,918.95	16.23	5,902.72	5,902.72	.....	.....
114.73	121.63	1,358.45	3.10	1,355.35	1,355.35	.....	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating, maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Welland—Bertie, Pelham, Thorold, Crowland, Wainfleet and Humberstone twps.	143,254.08	580.5	271.45	6,555.35	7,302.79	967.27
Woodbridge—Toronto, Vaughan, York N., Etobicoke, Toronto Gore, Albion, King and Chinguacousy twps.	62,890.55	188.3	88.04	1,827.37	3,139.37	540.26
Woodstock—Oxford W., Oxford N., Oxford E., Blandford, Zorra W. and Zorra E. twps.	65,785.90	245.4	114.75	2,681.92	3,158.31	415.23
Totals—Municipalities and other cost contracts	107,243,223.95	420,558.8	196,652.37	2,729,817.21	5,447,747.42	668,966.87
Totals—Rural power dist.	2,711,004.16	9,439.3	4,413.80	93,163.69	136,035.03	20,318.48
Totals—Companies	43,740,859.63	215,357.9	100,700.88	1,335,138.44	2,288,994.00	209,454.60
	153,695,087.74					
Non-operating capital	361,861.91					
Grand totals	154,056,949.65	645,356.0	301,767.05	4,158,119.34	7,872,776.45	898,739.95

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1927

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,544.45	1,527.80	18,169.11	45.36	18,123.75	18,123.75	.....	.....
566.06	668.50	6,829.60	14.71	6,814.89	6,814.89	.....	.....
678.11	662.39	7,710.71	19.18	7,691.53	7,691.53	.....	.....
1,141,247.12	1,141,590.26	11,326,021.25	(32,861.99)	11,293,159.26	11,709,405.80	429,963.38	13,716.84
26,909.54	28,706.82	309,547.36	(737.62)	308,809.74	308,809.74	.....	.....
540,577.08	466,947.01	4,941,812.01	33,599.61	4,975,411.62	4,975,411.62	.....	.....
1,708,733.74	1,637,244.09	16,577,380.62	.....	16,577,380.62	16,993,627.16	.....	.....

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power District, amounts remaining to be credited to certain districts or charged to the Muniment) of the actual costs in the year

Rural power districts and townships included therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown on schedule*
	Total	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Amherstburg—Anderdon, Malden, Colchester N., and Colchester S. twps...	69,652.54	34,826.27	34,826.27	11,854 57
Aylmer—Dorchester S., Malahide, Yarmouth, Bayham and Dorchester N. twps.....	103,750.90	51,143.34	52,607.56	3,325.12
Ayr—Dumfries N. and Blenheim twps	11,163.79	5,581.90	5,581.89	245.08
Baden—Wilmot, Wellesley, Waterloo and Blenheim twps.....	71,945.02	35,764.10	36,180.92	2,843.62
Barton—Barton, Glandford and Ancaster twps.....	22,219.11	11,109.56	11,109.55	1,373.14
Beamsville—Grimsby N., Gainsborough, Clinton and Louth twps.....	173,975.62	86,987.81	86,987.81	12,255.09
Belle River—Maidstone and Rochester twps.....	44,661.53	22,330.77	22,330.76	4,623.95
Blenheim—Raleigh and Harwich twps.	33,004.10	15,967.91	17,036.19	786.02
Bolton—Albion twp.....	17,161.53	8,580.76	8,580.77	246.17
Bond Lake—King, Vaughan, Markham and Whitchurch twps.....	85,400.18	41,445.78	43,954.40	9,673.39
Bothwell—Ekfrid, Zone, Oxford, Aldborough and Mosa twps.....	16,581.11	8,290.55	8,290.56	578.33
Brampton—Chinguacousy and Toronto twps.....	27,609.32	13,804.66	13,804.66	355.15
Brant—Brantford, Blenheim and Dumfries S. twps.....	59,292.00	29,451.92	29,840.08	5,786.13
Brigden—Moore and Sombra twps....	17,526.32	8,763.16	8,763.16	616.68
Burford—Burford and Oakland twps..	20,691.97	10,345.99	10,345.98	1,672.83
Caledonia—Glandford and Oneida twps.	16,484.06	8,242.03	8,242.03	543.39
Chatham—Dover, Chatham, Raleigh and Harwich twps.....	94,582.80	47,291.40	47,291.40	3,387.24
Chippawa—Willoughby and Bertie twps.....	31,398.94	15,699.47	15,699.47	2,181.68
Delaware—Delaware, Westminster, Caradoc, Ekfrid, Lobo and London twps.....	102,480.82	50,902.86	51,577.96	3,554.26
Dorchester—London, Nissouri W., Nissouri E., Oxford N., Dorchester N., Dorchester S., Westminster and Yarmouth twps.....	137,469.63	67,458.33	70,011.30	7,270.34
Drumbo—Blenheim, Burford and Blandford twps.....	31,520.56	15,200.90	16,319.66	1,496.05
Dundas—Flamboro W., Beverly, Ancaster and Flamboro E. twps.....	122,975.20	61,341.78	61,633.42	6,319.19
Dutton—Dunwich twp.....	7,597.67	3,798.83	3,798.84	371.68
Elmira—Woolwich twp.....	7,027.57	3,513.78	3,513.79	616.52
Elora—Pilkington, Nichol and Peel twps.....	16,169.01	8,084.51	8,084.50	1,629.62
Essex—Sandwich S., Maidstone, Rochester, Colchester N., Gosfield N. and Gosfield S. twps.....	66,630.74	32,750.43	33,880.31	2,139.33
Exeter—Hay, Stephen, Usborne, Tuckersmith and Bosanquet twps.....	60,883.97	30,091.79	30,792.18	4,167.93

*Consult "Cost of Power" table preceding.

RURAL POWER DISTRICTS *RURAL OPERATING*

the revenues collected from (or charged to) customers within each district, and the cipalities comprising certain other districts upon ascertainment (by annual adjust- ending October 31, 1927

Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
							Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,845.58	1,471.99	1,252.81	626.41	329.80	20,381.16	24,278.54	3,897.38	.....
3,237.83	2,071.53	1,733.83	866.91	464.13	11,699.35	14,867.17	3,167.82	.....
427.49	258.61	220.10	110.05	57.94	1,319.27	1,772.16	452.89	.....
2,471.12	1,489.33	1,259.24	629.62	333.69	9,026.62	10,679.35	1,652.73	.....
811.91	503.35	428.40	214.20	112.78	3,443.78	3,380.89	.....	62.89
7,258.01	3,803.65	3,237.29	1,618.65	852.22	29,024.91	34,047.93	5,023.02	.....
3,115.51	943.23	802.78	401.39	211.33	10,098.19	13,641.79	3,543.60	.....
1,137.54	565.02	459.53	229.76	126.59	3,304.46	4,707.43	1,402.97	.....
181.37	134.72	114.66	57.33	30.18	764.43	880.96	116.53	.....
7,679.98	1,939.94	1,600.92	800.46	434.64	22,129.33	32,434.83	10,305.50	.....
540.10	315.40	268.44	134.22	70.67	1,907.16	2,048.50	141.34	.....
292.19	312.81	266.23	133.12	70.09	1,429.59	2,137.67	708.08	.....
3,468.48	1,237.84	1,045.76	522.88	277.34	12,338.43	11,934.54	.....	403.89
223.44	341.62	290.75	145.38	76.54	1,694.41	1,613.50	.....	80.91
1,223.84	393.42	334.84	167.42	88.15	3,880.50	3,540.03	.....	340.47
573.22	331.20	281.88	140.94	74.21	1,944.84	1,990.53	45.69	.....
4,603.91	1,683.49	1,432.82	716.41	377.19	12,201.06	14,227.77	2,026.71	.....
597.83	718.39	611.42	305.71	160.96	4,575.99	6,078.35	1,502.36	.....
4,130.86	1,808.14	1,525.41	762.71	405.12	12,186.50	14,573.30	2,386.80	
6,297.41	2,863.69	2,382.06	1,191.03	641.62	20,646.15	21,059.35	413.20	.....
1,784.31	534.74	432.75	216.38	119.79	4,584.02	4,728.94	144.92	.....
3,822.99	2,788.56	2,367.51	1,183.76	624.78	17,106.79	18,674.28	1,567.49	.....
170.08	175.47	149.34	74.67	39.31	980.55	1,240.69	260.14	.....
200.04	164.37	139.90	69.95	36.83	1,227.61	1,562.34	334.73	.....
594.62	240.27	204.49	102.25	53.83	2,825.08	3,213.06	387.98	.....
3,093.60	1,228.38	1,022.88	511.44	275.22	8,270.85	9,098.66	827.81	.....
3,253.38	1,119.16	938.50	469.25	250.75	10,198.97	12,111.72	1,912.75	.....

NIAGARA SYSTEM—RURAL

Statement showing the costs of distribution of power within each Rural Power District, amounts remaining to be credited to certain districts or charged to the Muni- ment) of the actual costs in the year

Rural power districts and townships included therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown on schedule*
	Total	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Forest—Warwick, Bosanquet, Williams West, and Adelaide twps.	5,925.32	2,962.66	2,962.66	128.47
Galt—Dumfries N. and Dumfries S. twps.	39,446.57	19,723.29	19,723.28	2,343.03
Georgetown—Esquesing and Chinguacousy twps.	32,424.52	16,212.26	16,212.26	751.31
Goderich—Colborne and Goderich twps.	4,546.93	2,273.47	2,273.46	1,543.67
Grantham—Grantham, Louth and Niagara twps.	72,271.87	36,135.93	36,135.94	6,799.27
Guelph—Guelph and Puslinch twps.	26,312.81	13,156.40	13,156.41	1,384.59
Haldimand—Walpole, Rainham, Cayuga N. and Oneida twps.	17,819.62	8,814.20	9,005.42	467.18
Harrow—Colchester S. and Malden twps.	53,145.08	26,572.54	26,572.54	3,596.78
Ingersoll—Oxford N. and Oxford W. twps.	6,924.68	3,462.34	3,462.33	260.90
Jordan—Louth, Thorold and Grantham twps.	32,411.75	16,205.87	16,205.88	662.03
Keswick—Georgina and Gwillimbury N. twps.	56,117.24	26,950.03	29,167.21	5,651.30
Kingsville—Gosfield N., Gosfield S., Mersea and Romney twps.	120,357.62	59,898.81	60,458.81	9,574.95
Lansing—York N. and Vaughan twps.	.....	.....	.....	1,848.55
Listowel—Wallace and Elma twps.	33,848.70	16,924.35	16,924.35	1,267.26
London—Westminster, Delaware and London twps.	231,757.68	115,358.49	116,399.19	20,124.80
Lucan—Stephen, London, McGillivary and Biddulph twps.	23,579.58	11,789.79	11,789.79	1,356.63
Lynden—Beverly and Ancaster twps.	53,712.75	26,856.38	26,856.37	1,963.16
Markham—Markham, Scarboro, Pickering and Whitchurch twps.	33,154.31	16,499.34	16,654.98	3,049.01
Milton—Nassagaweya, Esquesing, Trafalgar and Nelson twps.	45,900.14	22,950.07	22,950.07	990.52
Milverton—Mornington twp.	21,518.97	10,759.48	10,759.49	200.44
Mitchell—Ellice, Logan and Elma twps.	33,566.07	16,783.03	16,783.04	2,731.40
Mount Joy—Markham and Whitchurch twps.	311.28	.....	311.28	127.64
Newmarket—Gwillimbury E., King and Whitchurch twps.	30,309.41	14,980.09	15,329.32	5,296.86
Niagara—Niagara twp.	81,029.35	40,183.56	40,845.79	9,368.19
Norwich—Norwich N., Norwich S., Dereham, Oxford E., Burford and Windham twps.	95,426.60	46,304.02	49,122.58	6,343.14
Oil Springs—Enniskillen, Dawn and Brooke twps.	15,880.64	7,940.32	7,940.32	1,208.34
Palmerston—Maryborough and Wallace twps.	413.70	206.85	206.85	42.05
Petrolia—Enniskillen twp.	1,723.40	861.70	861.70	64.92
Preston—Waterloo and Dumfries N. twps.	147,483.25	73,741.62	73,741.63	10,297.78

*Consult "Cost of Power" table preceding.

POWER DISTRICTS—Continued *RURAL OPERATING*

the revenues collected from (or charged to) customers within each district, aud the cipalities comprising certain other districts upon ascertainment (by annual adjust- ending October 31, 1927

Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
							Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
86.21	49.41	42.05	21.02	11.07	338.23	210.85	.....	127.38
1,441.55	826.37	703.33	351.67	185.15	5,851.10	6,952.18	1,101.08	.....
557.28	404.10	343.93	171.97	90.54	2,319.13	2,533.34	214.21	.....
393.89	99.43	84.63	42.31	22.28	2,186.21	2,381.39	195.18	.....
2,934.92	1,675.28	1,425.83	712.91	375.35	13,923.56	15,044.02	1,120.46	.....
460.61	603.74	513.84	256.92	135.27	3,354.97	4,292.43	937.46	.....
560.92	411.59	346.48	173.24	92.21	2,051.62	3,362.89	1,311.27	.....
3,050.96	917.13	780.57	390.28	205.49	8,941.21	11,035.81	2,094.60	.....
241.01	156.04	132.81	66.41	34.96	892.13	1,236.54	344.41	.....
868.56	741.00	630.67	315.33	166.04	3,383.63	3,887.14	503.51	.....
5,816.25	1,193.40	971.36	485.68	267.39	14,385.38	15,433.82	1,048.44	.....
9,767.19	2,276.79	1,926.58	963.29	510.12	25,018.92	28,819.53	3,800.61	.....
576.17	305.70	260.18	130.09	68.49	3,189.18	4,120.22	931.04	.....
1,741.13	782.81	666.25	333.13	175.39	4,965.97	5,800.56	834.59	.....
10,801.23	4,755.03	4,026.21	2,013.10	1,065.38	42,785.75	55,774.24	12,988.49	.....
936.67	686.88	584.60	292.30	153.90	4,010.98	4,864.20	853.22	.....
1,840.63	1,091.11	928.65	464.33	244.47	6,532.35	7,104.01	571.66	.....
1,448.09	707.16	598.76	299.38	158.44	6,260.84	7,799.57	1,538.73	.....
736.43	570.85	485.85	242.93	127.90	3,154.48	4,750.72	1,596.24	.....
173.74	84.27	71.72	35.86	18.88	584.91	607.37	22.46	.....
1,664.57	747.18	635.93	317.96	167.41	6,264.45	7,695.64	1,431.19	.....
85.48	14.63	6.23	3.11	3.28	240.37	475.64	235.27	.....
846.42	692.95	582.78	291.39	155.26	7,865.66	10,071.08	2,205.42	.....
3,506.93	1,671.02	1,408.96	704.48	374.39	17,033.97	22,509.26	5,475.29	.....
4,297.94	2,234.37	1,845.30	922.65	500.62	16,144.02	19,146.68	3,002.66	.....
644.67	369.72	314.67	157.33	82.84	2,777.57	3,569.76	792.19	.....
31.53	4.26	3.63	1.81	.95	84.23	105.20	20.97	.....
46.87	40.50	34.47	17.24	9.07	213.07	238.34	25.27	.....
7,767.50	2,917.69	2,483.25	1,241.63	653.72	25,361.57	28,239.99	2,878.42	.....

NIAGARA SYSTEM—RURAL

Statement showing the costs of distribution of power within each Rural Power District, amounts remaining to be credited to certain districts or charged to the Muniment) of the actual costs in the year

Rural power districts and townships included therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown on schedule*
	Total	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Ridgetown—Howard, Oxford Harwich, Aldborough and Rondeau Park twps.	89,439.59	44,719.79	44,719.80	3,430.77
St. Jacobs—Wellesley and Woolwich twps.	41,417.08	20,708.54	20,708.54	4,008.53
St. Thomas—Southwold, Yarmouth and Westminster twps.	104,509.34	52,254.67	52,254.67	6,680.10
Saltfleet—Saltfleet, Burton and Grimsby N. twps.	177,180.01	88,590.01	88,590.00	10,506.82
Sandwich—Sandwich W., Sandwich E., Sandwich S., Maidstone, Anderdon and Colchester N. twps.	200,610.20	100,238.77	100,371.43	18,203.99
Sarnia—Sarnia, Moore and Plympton twps.	131,546.06	63,243.58	68,302.48	10,768.53
Scarboro—Scarboro, Pickering and York N. twps.	49,608.44	24,527.53	25,080.91	1,518.45
Simcoe—Woodhouse, Charlotteville, Windham and Townsend twps.	27,640.99	13,389.17	14,251.82	2,056.70
Stamford—Thorold and Stamford twps.	20,958.27	10,479.13	10,479.14	1,882.26
Stratford—Ellice and Downie twps.	39,402.00	19,443.06	19,958.94	3,517.77
Strathroy—Adelaide twp.	12,658.70	6,329.35	6,329.35	594.89
Streetsville—Toronto, Trafalgar, Esquesing and Chinguacousy twps.	68,899.22	34,449.61	34,449.61	1,468.20
Tavistock—Easthope N., Easthope S., and Zorra twps.	26,028.52	13,014.26	13,014.26	1,349.23
Tilbury—Tilbury E., Tilbury N., and Raleigh twps.	11,834.31	5,800.43	6,033.88	575.84
Tillsonburg—Norwich S., Bayham, Malahide, Dereham, Middleton and Norwich N. twps.	127,346.92	63,673.46	63,673.46	6,118.17
Wallaceburg—Dover, Chatham and Sombra twps.	61,011.52	30,505.76	30,505.76	3,828.95
Walsingham—Walsingham S. and Charlotteville twps.	16,536.12	8,081.29	8,454.83	2,510.63
Walton—Morris, Grey and McKillop twps.	3,909.59	1,814.72	2,094.87	545.00
Waterdown—Flamboro E., Flamboro W., and Nelson twps.	48,130.05	22,572.24	25,557.81	5,902.72
Waterford—Windham and Townsend twps.	21,246.32	10,623.16	10,623.16	1,355.35
Welland—Bertie, Pelham, Thorold, Crowland, Wainfleet and Humberstone twps.	220,758.28	109,622.08	111,136.20	18,123.75
Woodbridge—Toronto, Vaughan, York N., Etobicoke, Toronto Gore, Albion, King and Chinguacousy twps.	174,662.27	86,915.00	87,747.27	6,814.89
Woodstock—Oxford W., Oxford N., Oxford E., Blandford, Zorra W., and Zorra E. twps.	138,147.55	69,073.77	69,073.78	7,691.53
Totals	4,600,657.20	2,283,346.86	2,317,310.34	308, 09.74

*Consult "Cost of Power" table preceding.

POWER DISTRICTS—Continued *RURAL OPERATING*

the revenues collected from (or charged to) customers within each district, and the cipalities comprising certain other districts upon ascertainment (by annual adjust- ending October 31, 1927

Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
							Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,715.84	1,947.33	1,657.38	828.69	436.30	11,016.31	13,752.09	2,735.78	.....
2,828.72	964.74	821.09	410.54	216.15	9,249.77	10,401.39	1,151.62	.....
7,380.09	2,189.61	1,863.58	931.79	490.59	19,535.76	23,232.06	3,696.30	.....
11,307.18	3,933.91	3,348.17	1,674.08	881.40	31,651.56	29,787.69	.....	1,863.87
18,890.51	3,880.14	3,299.74	1,649.87	869.36	46,793.61	58,778.67	11,985.06	.....
7,091.91	2,874.77	2,345.56	1,172.78	644.10	24,897.65	27,228.27	2,330.62	.....
1,060.06	599.83	499.45	249.72	134.40	4,061.91	4,326.79	264.88	.....
1,607.92	595.93	489.94	244.97	133.52	5,128.98	5,534.44	405.46	.....
2,260.26	481.50	409.81	204.90	107.88	5,346.61	6,864.71	1,518.10	.....
2,623.23	276.93	225.38	112.69	62.05	6,818.05	6,745.00	.....	73.05
535.83	236.70	201.46	100.73	53.03	1,722.64	2,251.35	528.71	.....
1,104.93	1,302.26	1,108.36	554.18	291.77	5,829.70	7,999.90	2,170.20	.....
1,576.09	524.03	446.00	223.00	117.41	4,235.76	3,834.86	.....	400.90
377.96	244.78	203.67	101.83	54.85	1,558.93	2,248.21	689.28	.....
5118.11	2,752.52	2,342.67	1,171.34	616.70	18,119.51	22,088.69	3,969.18	.....
3,742.97	1,408.49	1,198.77	599.38	315.58	11,094.14	11,378.26	284.12	.....
692.16	363.12	302.21	151.10	81.35	4,100.57	2,691.02	.....	1,409.55
581.03	95.78	75.91	37.95	21.46	1,357.13	1,312.70	.....	44.43
3,308.44	1,090.51	868.41	434.22	244.33	11,848.63	14,144.67	2,296.04	.....
744.86	363.93	309.74	154.87	81.54	3,010.29	2,622.53	.....	387.76
20,011.75	4,445.18	3,753.02	1,876.51	995.96	49,206.17	53,677.82	4,471.65	.....
5,284.50	2,813.00	2,377.50	1,188.75	630.26	19,108.90	21,853.03	2,744.13	.....
5,347.28	2,822.21	2,401.99	1,200.99	632.32	20,096.32	23,234.00	3,137.68	.....
235,553.62	92,675.93	78,193.87	39,096.93	20,764.27	775,094.36	904,574.85	134,675.59	5,195.10

Net Credit..... $129,480.49

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1927, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Acton	Jan., 1913	996.62	.....	.....	996.62
Agincourt	Nov., 1922	.....	77.05	77.05	.....
Ailsa Craig	Jan., 1916	333.23	.....	37.51	.....
Alvinston	April, 1922	.....	1,234.92	1,234.92	.....
Amherstburg	.....	1,192.08	.....	.....	1,192.08
Ancaster township	May, 1923	.....	622.31	622.31	.....
Arkona	Dec., 1926	.....	.....	.....	.....
Aylmer	Mar., 1918	3,009.13	.....	.....	3,899.26
Ayr	Jan., 1915	600.18	.....	.....	704.72
Baden	May, 1912	733.32	.....	.....	58.05
Barton township	May, 1924	.....	133.87	133.87	.....
Beachville	Aug., 1912	1,035.85	.....	.....	.....
Belle River	Dec., 1922	1,348.95	.....	.....	1,256.65
Blenheim	Nov., 1915	3,067.39	.....	.....	3,067.39
Blyth	July, 1924	839.73	.....	.....	839.73
Bolton	Feb., 1915	371.64	.....	.....	371.64
Bothwell	Sept., 1915	1,268.96	.....	.....	34.44
Brampton	Nov., 1911	4,398.71	.....	.....	23.47
Brantford	Feb., 1914	.....	8,134.79	8,872.52	.....
Brantford township	May, 1924	.....	217.49	217.49	.....
Brigden	Jan., 1918	.....	435.11	435.11	.....
Brussels	July, 1924	1,277.19	.....	.....	1,277.19
Burford	June, 1915	263.17	.....	.....	.....
Burgessville	Nov., 1916	194.49	.....	.....	.....
Caledonia	Oct., 1912	21.65	.....	.....	21.65
Campbellville	Jan., 1925	124.63	.....	.....	124.63
Cayuga	Nov., 1924	262.51	.....	.....	262.51
Chatham	Feb., 1915	7,170.50	.....	.....	7,170.50
Chippawa	Sept., 1919	422.89	.....	.....	31.12
Clifford	May, 1924	632.21	.....	.....	632.21
Clinton	Mar., 1914	1,266.63	.....	.....	1,266.63
Comber	May, 1915	761.68	.....	.....	761.68
Cottam	Nov., 1926	.....	.....	.....	.....
Courtright	Dec., 1923	618.13	.....	.....	618.13
Dashwood	Sept., 1917	700.03	.....	.....	.....
Delaware	Mar., 1915	268.02	.....	.....	.....
Dorchester	Dec., 1914	704.84	.....	.....	.....
Drayton	Mar., 1918	581.40	.....	.....	581.40
Dresden	April, 1915	.....	175.89	175.89	.....
Drumbo	Dec., 1914	.....	34.38	138.92	.....
Dublin	Oct., 1917	71.46	.....	.....	71.46
Dundas	Jan., 1911	540.02	.....	.....	540.02
Dunnville	June, 1918	376.02	.....	58.45	.....
Dutton	Sept., 1915	588.14	.....	.....	1,079.96
Elmira	Nov., 1913	869.71	.....	.....	869.71

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
39.62	.....	1,558.50	.....	1,598.12	.....
.....	1.28	.....	129.19	.....	130.47
14.15	.....	484.76	.....	869.65	.....
.....	37.49	258.98	.....	221.49	.....
37.88	.....	2,725.25	.....	2,763.13	.....
.....	11.68	454.11	.....	442.43	.....
.....	.....	.....	324.51	.....	324.51
55.36	.....	2,518.23	.....	1,683.46	.....
19.48	.....	237.84	.....	152.78	.....
27.32	.....	497.77	.....	1,200.36	.....
.....	1.86	.....	498.76	.....	500.62
41.44	.....	254.53	.....	1,331.82	.....
51.83	.....	1,034.09	.....	1,178.22	.....
119.57	.....	759.31	.....	878.88	.....
17.92	.....	313.31	.....	331.23	.....
5.62	.....	1,065.02	.....	1,070.64	.....
50.33	.....	719.93	.....	2,004.78	.....
175.38	.....	3,608.12	.....	8,158.74	.....
.....	66.78	4,749.26	.....	5,420.21	.....
.....	3.35	114.70	.....	111.35	.....
.....	8.58	184.46	.....	175.88	.....
46.21	.....	851.53	.....	897.74	.....
10.53	.....	585.78	.....	859.48	.....
7.78	.....	299.17	.....	501.44	.....
.33	.....	256.07	.....	256.40	.....
1.91	.....	82.06	.....	83.97	.....
3.91	.....	.....	68.55	.....	64.64
163.45	.....	4,987.85	.....	5,151.30	.....
16.18	.....	.....	106.84	301.11	.....
11.65	.....	233.71	.....	245.36	.....
20.05	.....	653.10	.....	673.15	.....
23.95	.....	378.19	.....	402.14	.....
.....	.....	204.26	.....	204.26	.....
13.25	.....	255.45	.....	268.70	.....
28.00	.....	675.95	.....	1,403.98	.....
10.72	.....	121.13	.....	399.87	.....
28.19	.....	675.20	.....	1,408.23	.....
20.77	.....	600.45	.....	621.22	.....
.....	2.80	.....	520.51	.....	523.31
3.60	.....	196.75	.....	304.89	.....
1.08	.....	238.53	.....	239.61	.....
20.61	.....	1,526.64	.....	1,547.25	.....
16.54	.....	605.78	.....	1,056.79	.....
11.40	.....	721.35	.....	240.93	.....
14.10	.....	2,462.89	.....	2,476.99	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1927, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Elora	Nov., 1914	545.05	.....	.....	545.05
Embro	Jan., 1915	742.64	.....	.....	.....
Erieau	July, 1924	734.65	.....	.....	734.65
Erie Beach	July, 1925	193.54	.....	.....	193.54
Essex	Nov., 1923	2,033.37	.....	.....	2,033.37
Etobicoke township	Aug., 1917	1,933.82	.....	70.58	.....
Exeter	June, 1916	3,371.27	.....	.....	3,371.27
Fergus	Nov., 1914	.....	366.12	366.12	.....
Fonthill	June, 1926	38.22	.....	.....	38.22
Ford City	Nov., 1922	12,511.79	.....	.....	12,511.79
Forest	Mar., 1917	929.55	.....	.....	21.06
Galt	May, 1911	4,484.52	.....	.....	4,484.52
Georgetown	Sept., 1913	2,008.82	.....	.....	2,008.82
Glencoe	Aug., 1920	957.06	.....	.....	.....
Goderich	Feb., 1914	4,009.62	.....	.....	2,982.76
Granton	July, 1916	638.23	.....	.....	.....
Guelph	Dec., 1910	4,308.85	.....	.....	4,308.85
Hagersville	Sept., 1913	1,387.93	.....	.....	.....
Hamilton	Feb., 1911	1,764.54	.....	.....	.....
Harriston	July, 1916	824.15	.....	.....	824.15
Harrow	Nov., 1923	335.53	.....	.....	.....
Hensall	Jan., 1917	1,068.00	.....	.....	.....
Hespeler	Feb., 1911	1,982.39	.....	.....	1,982.39
Highgate	Dec., 1916	412.67	.....	.....	412.67
Humberstone	Oct., 1924	93.47	.....	.....	93.47
Ingersoll	May, 1911	4,694.74	.....	.....	4,694.74
Jarvis	Feb., 1924	731.82	.....	.....	.....
Kingsville	Nov., 1923	2,321.83	.....	.....	2,321.83
Kitchener	Jan., 1911	474.74	.....	.....	296.08
Lambeth	April, 1915	1,058.98	.....	.....	.....
La Salle	Nov., 1925	153.95	.....	.....	153.95
Leamington	Nov., 1923	4,698.72	.....	.....	4,698.72
Listowel	June, 1916	1,634.63	.....	.....	1,634.63
London	Jan., 1911	3,732.11	.....	124.55	.....
London and Pt. Stanley Ry. Com.	Aug., 1914	.....	50,475.77	33,203.69	.....
London township	Jan., 1925	303.48	.....	.....	303.48
Louth township	April, 1925	29.79	.....	.....	29.79
Lucan	Feb., 1915	786.36	.....	.....	786.36
Lynden	Nov., 1915	744.23	.....	.....	744.23
Markham	April, 1920	542.14	.....	.....	542.14
Merlin	Dec., 1922	733.52	.....	.....	.....
Merritton	Nov., 1920	.....	22.84	22.84	.....
Milton	April, 1913	.....	2,201.59	2,201.59	.....
Milverton	June, 1916	777.37	.....	.....	777.37
Mimico	May, 1912	2,107.20	.....	.....	2,107.20

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
14.37	.....	908.02	.....	922.39	.....
29.71	.....	.....	829.55	.....	57.20
14.19	.....	361.11	.....	375.30	.....
3.49	.....	91.29	.....	94.78	.....
49.44	.....	1,946.99	.....	1,996.43	.....
79.11	.....	2,088.55	.....	4,172.06	.....
60.85	.....	2,354.52	.....	2,415.37	.....
.....	13.25	1,431.68	.....	1,418.43	.....
.57	.....	119.84	.....	120.41	.....
237.21	.....	7,931.90	.....	8,169.11	.....
15.29	.....	1,990.31	.....	2,914.09	.....
70.77	.....	11,150.91	.....	11,221.68	.....
48.48	.....	1,986.26	.....	2,034.74	.....
38.28	.....	810.50	.....	1,805.84	.....
160.38	.....	1,857.21	.....	3,044.45	.....
25.53	.....	473.58	.....	1,137.34	.....
114.27	.....	10,760.34	.....	10,874.61	.....
55.52	.....	1,529.97	.....	2,973.42	.....
70.58	.....	17,389.54	.....	19,224.66	.....
13.09	.....	849.95	.....	863.04	.....
13.42	.....	2,328.95	.....	2,677.90	.....
42.72	.....	991.17	.....	2,101.89	.....
57.35	.....	2,531.04	.....	2,588.39	.....
16.15	.....	617.85	.....	634.00	.....
1.39	.....	92.50	.....	93.89	.....
80.77	.....	3,867.89	.....	3,948.66	.....
29.27	.....	489.27	.....	1,250.36	.....
48.58	.....	2,642.47	.....	2,691.05	.....
13.08	.....	8,087.16	.....	8,278.90	.....
42.36	.....	591.08	.....	1,692.42	.....
5.04	.....	602.61	.....	607.65	.....
153.47	.....	5,837.41	.....	5,990.88	.....
51.03	.....	1,342.54	.....	1,393.57	.....
151.88	.....	15,977.03	.....	19,985.57	.....
.....	2,019.03	2,364.21	.....	.....	16,926.90
4.51	.....	772.45	.....	776.96	.....
.45	.....	.....	4.44	.....	3.99
21.38	.....	762.84	.....	784.22	.....
22.26	.....	653.69	.....	675.95	.....
15.50	.....	941.10	.....	956.60	.....
29.34	.....	540.32	.....	1,303.18	.....
.....	.35	264.21	.....	263.86	.....
.....	66.35	320.11	.....	253.76	.....
10.90	.....	1,225.47	.....	1,236.37	.....
31.86	.....	1,989.51	.....	2,021.37	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1927, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Mitchell	Sept., 1911	906.94			906.94
Moorefield	Mar., 1918	109.35			109.35
Mount Brydges	Mar., 1915	553.63			553.63
Newbury	Mar., 1921	177.35		.87	
New Hamburg	Mar., 1911	864.41			864.41
Newmarket	April, 1925		931.30	931.30	
New Toronto	Feb., 1914	8,319.59			8,319.59
Niagara Falls	Dec., 1915		2,274.81	661.71	
Niagara-on-Lake	Aug., 1919		946.97	946.97	
Norwich	May, 1912	857.65			857.65
Oil Springs	Feb., 1918		997.62	997.62	
Otterville	Feb., 1916	676.65			
Palmerston	July, 1916	1,299.50			1,299.50
Paris	Feb., 1914	846.13			846.13
Parkhill	May, 1920	993.00			993.00
Petrolia	May, 1916	671.51			
Plattsville	Dec., 1914	555.23			555.23
Point Edward	Nov., 1916	1,068.29			32.33
Port Colborne	Mar., 1920	529.01			529.01
Port Credit	Aug., 1912	326.46			326.46
Port Dalhousie	Nov., 1912	46.44			146.17
Port Dover	Dec., 1921	630.64			630.64
Port Rowan	Nov., 1926				
Port Stanley	April, 1912	1,440.50			2,254.55
Preston	Jan., 1911	1,355.44			1,759.12
Princeton	Jan., 1915	499.19			
Queenston	Mar., 1921		807.61	224.86	
Richmond Hill	June, 1925		359.34	359.34	
Ridgetown	Dec., 1915	757.82			18.21
Riverside	Nov., 1922	5,044.48			5,044.48
Rockwood	Sept., 1913	339.69			339.69
Rodney	Feb., 1917	361.28			625.49
St. Catharines	April, 1914		2,362.45	2,129.24	
St. Clair Beach	Nov., 1922	652.05			652.05
St. George	Sept., 1915		17.24	17.24	
St. Jacobs	Sept., 1917	397.27			397.27
St. Marys	May, 1911	1,513.29		266.64	
St. Thomas	April, 1911	11,996.80			24,176.33
Sandwich	Feb., 1924	12,125.41			12,125.41
Sarnia	Dec., 1916	16,878.41			6,813.02
Scarboro township	Aug., 1918		2,062.00	2,062.00	
Seaforth	Nov., 1911	1,766.23			1,766.23
Simcoe	Aug., 1915		124.80	124.80	
Springfield	Aug., 1917	1,791.55			1,827.64
Stamford township	Nov., 1916	973.73			973.73

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
30.55	...	961.23	...	991.78	...
2.98	...	505.19	...	508.17	...
13.75	...	388.48	...	402.23	...
7.10	...	201.29	...	386.61	...
16.35	...	422.40	...	438.75	...
...	...	...	...	...	...
125.82	...	6,482.58	...	6,608.40	...
...	64.52	...	2,361.57	...	4,039.19
...	31.73	49.09	...	17.36	...
24.64	...	633.01	...	657.65	...
...	21.51	29.46	...	7.95	...
27.07	...	474.74	...	1,178.46	...
37.56	...	1,193.68	...	1,231.24	...
14.48	...	425.19	...	439.67	...
38.66	...	1,089.38	...	1,128.04	...
26.86	...	2,264.11	...	2,962.48	...
8.63	...	459.52	...	468.15	...
42.01	...	1,363.96	...	2,441.93	...
7.88	...	551.78	...	559.66	...
4.65	...	122.00	...	126.65	...
...	4.05	569.36	...	465.58	...
9.77	...	235.34	...	245.11	...
...	...	...	1,130.81	...	1,130.81
28.29	...	1,702.06	...	916.30	...
4.05	...	2,684.88	...	2,285.25	...
19.97	...	423.98	...	943.14	...
...	25.80	219.40	...	...	389.15
...	5.10	517.97	...	512.87	...
29.89	...	834.62	...	1,604.12	...
95.64	...	6,393.72	...	6,489.36	...
7.90	...	701.57	...	709.47	...
8.72	...	402.62	...	147.13	...
...	46.09	...	4,701.68	...	4,980.98
12.36	...	508.52	...	520.88	...
...	0.26	381.98	...	381.72	...
11.00	...	388.01	...	399.01	...
62.72	...	3,001.83	...	4,844.48	...
198.95	...	7,303.97	...	...	4,676.61
190.53	...	9,133.42	...	9,323.95	...
607.17	...	18,963.46	...	29,636.02	...
...	30.73	2,038.03	...	2,007.30	...
35.61	...	1,389.19	...	1,424.80	...
...	1.74	...	1,276.55	...	1,278.29
36.33	...	763.60	...	763.84	...
34.15	...	1,060.67	...	1,094.82	...

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1926, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1925		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Stouffville	Sept., 1923	467.21	.....	.....	.....
Stratford	Jan., 1911	6,073.69	.....	.....	6,073.69
Strathroy	Dec., 1914	3,477.65	.....	.....	3,477.65
Streetsville	Nov., 1913	9,626.35	.....	.....	.....
Sutton	Aug., 1923	722.15	.....	.....	722.15
Tavistock	Nov., 1916	1,775.42	.....	.....	1,775.42
Tecumseh	Nov., 1922	1,696.93	.....	.....	1,696.93
Thamesford	Feb., 1914	951.49	.....	.....	951.49
Thamesville	Oct., 1915	1,242.30	.....	.....	28.37
Thedford	May, 1922	.....	337.87	337.87	.....
Thorndale	Mar., 1914	503.40	.....	.....	503.40
Thorold	Jan., 1921	.....	362.81	362.81	.....
Tilbury	April, 1915	1,407.71	.....	.....	1,407.71
Tillsonburg	Aug., 1911	3,076.92	.....	.....	3,076.92
Toronto	June, 1911	6,962.59	.....	2,773.02	.....
Toronto Transport'n Commission	Jan., 1927	.....	.....	.....	.....
Toronto township	Aug., 1913	510.34	.....	.....	510.34
Walkerville	Nov., 1914	21,611.59	.....	.....	21,611.59
Wallaceburg	Feb., 1915	1,011.91	.....	.....	.....
Wardsville	June, 1921	149.67	.....	2.61	.....
Waterdown	Nov., 1911	1,626.48	.....	.....	.....
Waterford	April, 1915	580.65	.....	.....	.....
Waterloo	Dec., 1910	1,296.20	.....	.....	1,296.20
Watford	Sept., 1917	888.73	.....	.....	888.73
Welland	Sept., 1917	.....	127.65	.....	934.15
Wellesley	Nov., 1916	47.87	.....	3.94	.....
West Lorne	Jan., 1917	689.06	.....	.....	1,462.80
Weston	Jan., 1911	3,220.86	.....	.....	3,220.86
Wheatley	Feb., 1924	1,604.71	.....	.....	.....
Windsor	Oct., 1914	39,874.70	.....	.....	39,874.70
Woodbridge	Dec., 1914	58.87	.....	.....	58.87
Woodstock	Jan., 1911	7,980.62	.....	.....	168.90
Wyoming	Nov., 1916	427.52	.....	.....	17.35
York East township	July, 1925	4,868.03	.....	.....	4,868.03
York North township	Nov., 1923	776.83	.....	.....	776.83
Zurich	Sept., 1917	1,289.77	.....	.....	1,289.77
RURAL POWER DISTRICT*					
Amherstburg	Nov., 1923	4,918.61	.....	.....	384.13
Aylmer	Nov., 1922	.....	475.19	.....	512.77
Ayr	July, 1926	.....	124.59	.....	13.15
Baden	Sept., 1922	.....	408.85	14.36	.....
Barton	May, 1924	.....	833.50	.....	178.25
Beamsville	Jan., 1923	14,190.96	.....	.....	8,661.33
Belle River	Dec., 1922	12,648.50	.....	.....	10,433.87
Blenheim	July, 1924	1,913.72	.....	.....	1,321.38
Bolton	July, 1924	331.42	.....	.....	286.86
Bond Lake	Mar., 1924	22,407.03	.....	.....	17,503.93

*For townships included in rural power districts see "Cost of Power" and "Rural

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1925, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1926

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1926		Accumulated amount standing as a credit or charge on October 31, 1926	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
18.69	.....	856.81	.....	1,342.71	.....
115.15	.....	11,708.98	.....	11,824.13	.....
60.58	.....	1,704.11	.....	1,764.69	.....
385.05	.....	.....	1,171.69	8,839.71	.....
14.71	.....	.....	22.90	.....	8.19
35.52	.....	2,045.29	.....	2,080.81	.....
32.17	.....	1,490.26	.....	1,522.43	.....
19.73	.....	786.80	.....	806.53	.....
49.67	.....	911.57	.....	2,175.17	.....
.....	5.55	600.54	.....	594.99	.....
8.80	.....	529.45	.....	538.25	.....
.....	6.88	577.57	.....	570.69	.....
42.86	.....	700.98	.....	743.84	.....
80.63	.....	626.40	.....	707.03	.....
351.44	.....	70,712.21	.....	80,799.26	.....
.....	.....	3,290.61	.....	3,290.61	.....
7.23	.....	1,142.20	.....	1,149.43	.....
409.73	.....	14,330.37	.....	14,740.10	.....
40.48	.....	3,512.40	.....	4,564.79	.....
6.05	.....	213.00	.....	371.33	.....
65.06	.....	1,171.31	.....	2,862.85	.....
23.23	.....	.....	353.40	250.48	.....
24.50	.....	3,442.69	.....	3,467.19	.....
28.98	.....	1,194.66	.....	1,223.64	.....
.....	2.98	2,926.51	.....	1,861.73	.....
2.00	.....	247.82	.....	301.66	.....
12.90	.....	923.97	.....	163.13	.....
48.71	.....	3,712.67	.....	3,761.38	.....
64.19	.....	905.51	.....	2,574.41	.....
567.47	.....	41,789.62	.....	42,357.09	.....
1.48	.....	.....	215.89	.....	214.41
314.95	.....	7,140.76	.....	15,267.43	.....
17.09	.....	243.94	.....	671.20	.....
69.87	.....	361.00	.....	430.87	.....
10.98	.....	2,344.68	.....	2,355.66	.....
23.70	.....	1,223.59	.....	1,247.29	.....
181.38	.....	3,897.38	.....	8,613.24	.....
.....	38.95	3,167.82	.....	2,140.91	.....
.....	5.50	452.89	.....	309.65	.....
.....	43.11	1,652.73	.....	1,215.13	.....
.....	40.47	.....	62.89	.....	1,115.11
377.63	.....	5,023.02	.....	10,930.28	.....
349.21	.....	3,543.60	.....	6,107.44	.....
50.74	.....	1,402.97	.....	2,046.05	.....
7.94	.....	116.53	.....	169.03	.....
633.16	.....	10,305.50	.....	15,841.76	.....

Operating" statements preceding.

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1927, and the accumulated amount standing

Rural power district	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Bothwell	Dec., 1923	.....	69.92	.....	22.64
Brampton	Nov., 1923	549.53	.....	.....	297.78
Brant	Oct., 1922	8,001.66	.....	.....	6,240.11
Brigden	Jan., 1927	.....	.....	.....	.....
Burford	Jan., 1927	.....	.....	.....	.....
Caledonia	Oct., 1925	.....	97.38	.....	38.40
Chatham	May, 1922	12,837.16	.....	.....	10,433.17
Chippawa	July, 1922	.....	567.54	.....	899.47
Delaware	Oct., 1922	8,929.20	.....	.....	6,758.28
Dorchester	Dec., 1921	19,849.54	.....	.....	15,638.14
Drumbo	Aug., 1922	5,311.90	.....	.....	4,139.86
Dundas	Jan., 1922	4,796.25	.....	.....	4,488.90
Dutton	Feb., 1926	77.22	.....	.....	29.59
Elmira	June, 1926	72.78	.....	.....	14.51
Elora	Jan., 1926	484.99	.....	.....	40.47
Essex	Nov., 1924	1,676.30	.....	.....	716.94
Exeter	Nov., 1922	7,037.15	.....	.....	4,883.73
Forest	Dec., 1926	.....	.....	.....	.....
Galt	Oct., 1922	1,127.61	.....	.....	476.23
Georgetown	Nov., 1924	989.96	.....	.....	612.82
Goderich	June, 1925	568.02	.....	.....	27.49
Grantham	Nov., 1924	6,435.89	.....	.....	5,450.60
Guelph	Jan., 1925	.....	460.36	.....	145.79
Haldimand	Oct., 1925	865.14	.....	.....	406.73
Harrow	Nov., 1923	102.39	.....	.....	38.09
Ingersoll	Oct., 1922	185.39	.....	.....	39.10
Jordan	May, 1922	794.15	.....	.....	755.70
Keswick	Mar., 1924	6,320.52	.....	.....	3,471.91
Kingsville	Nov., 1923	13,700.80	.....	.....	8,671.22
Lansing	Mar., 1924	2,616.33	.....	.....	349.27
Listowel	Nov., 1926	.....	.....	.....	.....
London	Nov., 1922	33,463.96	.....	.....	23,500.56
Lucan	June, 1926	285.37	.....	.....	293.99
Lynden	Feb., 1922	2,754.73	.....	.....	1,295.71
Markham	Dec., 1922	7,643.23	.....	.....	5,718.86
Milton	Jan., 1925	514.90	.....	.....	345.13
Milverton	Aug., 1927	.....	.....	.....	.....
Mitchell	Dec., 1925	21.04	.....	.....	123.79
Mount Joy	Jan., 1924	519.49	.....	.....	404.38
Newmarket	Mar., 1924	104.24	.....	.....	139.61
Niagara	Jan., 1922	12,047.75	.....	.....	5,949.06
Norwich	May, 1925	2,100.08	.....	.....	496.03
Oil Springs	Dec., 1925	725.52	.....	.....	232.09
Palmerston	Nov., 1926	.....	.....	.....	.....
Petrolia	Aug., 1923	.....	357.37	.....	70.93

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	3.70	141.34	.....	45.08	.....
14.91	.....	708.08	.....	974.74	.....
199.77	.....	.....	403.89	1,557.43	.....
.....	.....	.....	80.91	.....	80.91
.....	.....	.....	340.47	.....	340.47
.....	5.43	45.69	.....	.....	95.52
305.53	.....	2,026.71	.....	4,736.23	.....
.....	58.68	1,502.36	.....	.....	23.33
241.87	.....	2,386.80	.....	4,799.59	.....
486.43	.....	413.20	.....	5,111.03	.....
134.08	.....	144.92	.....	1,451.04	.....
51.88	.....	1,567.49	.....	1,926.72	.....
1.98	.....	260.14	.....	309.75	.....
2.33	.....	334.73	.....	395.33	.....
17.78	.....	387.98	.....	850.28	.....
55.01	.....	827.81	.....	1,842.18	.....
184.71	.....	1,912.75	.....	4,250.88	.....
.....	.....	.....	127.38	.....	127.38
33.10	.....	1,101.08	.....	1,785.56	.....
28.90	.....	214.21	.....	620.25	.....
21.62	.....	195.18	.....	757.33	.....
170.83	.....	1,120.46	.....	2,276.58	.....
.....	24.24	937.46	.....	307.07	.....
26.41	.....	1,311.27	.....	1,796.09	.....
2.57	.....	2,094.60	.....	2,161.47	.....
5.85	.....	344.41	.....	496.55	.....
1.54	.....	503.51	.....	543.50	.....
190.53	.....	1,048.44	.....	4,087.58	.....
400.59	.....	3,800.61	.....	9,230.78	.....
90.68	.....	931.04	.....	3,288.78	.....
.....	.....	834.59	.....	834.59	.....
908.57	.....	12,988.49	.....	23,860.46	.....
8.62	.....	853.22	.....	853.22	.....
72.10	.....	571.66	.....	2,102.78	.....
198.33	.....	1,538.73	.....	3,661.43	.....
14.55	.....	1,596.24	.....	1,780.56	.....
.....	.....	22.46	.....	22.46	.....
.....	4.11	1,431.19	.....	1,324.33	.....
13.30	.....	235.27	.....	363.68	.....
.....	1.41	2,205.42	.....	2,168.64	.....
373.11	.....	5,475.29	.....	11,947.09	.....
64.16	.....	3,002.66	.....	4,670.87	.....
24.33	.....	792.19	.....	1,309.95	.....
.....	.....	20.97	.....	20.97	.....
.....	17.13	25.27	.....	.....	420.16

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount credited ending October 31, 1927, and the accumulated amount standing

Rural power district	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Preston	April, 1922	17,674.42	.....	.....	10,266.73
Ridgetown	Mar., 1922	13,761.78	.....	.....	11,516.10
St. Jacobs	Nov., 1922	6,570.37	.....	.....	4,244.54
St. Thomas	Aug., 1923	14,449.77	.....	.....	10,288.54
Saltfleet	Feb., 1922	9,510.46	.....	.....	5,159.32
Sandwich	July, 1922	22,674.42	.....	.....	11,456.82
Sarnia	June, 1923	6,832.36	.....	.....	2,963.14
Scarboro	Dec., 1923	1,261.43	.....	.....	760.37
Simcoe	Nov., 1922	466.09	.....	.....	183.77
Stamford	Mar., 1922	3,632.54	.....	.....	584.50
Stratford	July, 1924	4,104.54	.....	.....	2,866.25
Strathroy	Jan., 1927	.....	.....	.....	.....
Streetsville	Nov., 1922	.....	120.20	.....	60.03
Tavistock	April, 1923	1,795.33	.....	.....	1,093.54
Tilbury	Dec., 1923	483.35	.....	.....	322.42
Tillsonburg	Dec., 1923	4,537.13	.....	.....	793.90
Wallaceburg	Jan., 1923	11,341.07	.....	.....	7,616.31
Walsingham	Dec., 1926	.....	.....	.....	.....
Walton	Nov., 1924	356.03	.....	.....	148.93
Waterdown	Oct., 1922	1,528.75	.....	.....	184.96
Waterford	Nov., 1923	.....	989.50	.....	117.04
Welland	April, 1922	12,543.39	.....	.....	5,051.43
Woodbridge	Jan., 1923	6,976.07	.....	.....	3,549.88
Woodstock	Feb., 1922	25,300.60	.....	.....	20,241.40
Totals	.....	699,289.87	80,349.00	60,210.64	508,248.73

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjustments or charged to each Municipality in respect of power supplied in the year as a credit or charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
500.24	.....	2,878.42	.....	10,786.35	.....
334.25	.....	2,735.78	.....	5,315.71	.....
174.81	.....	1,151.62	.....	3,652.26	.....
381.18	.....	3,696.30	.....	8,238.71	.....
174.04	.....	.....	1,863.87	2,661.31	.....
711.59	.....	11,985.06	.....	23,914.25	.....
222.86	.....	2,330.62	.....	6,422.70	.....
33.76	.....	264.88	.....	799.70	.....
11.29	.....	405.46	.....	699.07	.....
121.92	.....	1,518.10	.....	4,688.06	.....
118.63	.....	.....	73.05	1,283.87	.....
.....	.....	528.71	.....	528.71	.....
.....	7.21	2,170.20	.....	1,982.76	.....
48.26	.....	.....	400.90	349.15	.....
13.58	.....	689.28	.....	863.79	.....
149.73	.....	3,969.18	.....	7,862.14	.....
299.77	.....	284.12	.....	4,308.65	.....
.....	.....	.....	1,409.55	.....	1,409.55
11.14	.....	.....	44.43	173.81	.....
51.06	.....	2,296.04	.....	3,690.89	.....
.....	44.26	.....	387.76	.....	1,538.56
405.51	.....	4,471.65	.....	12,369.12	.....
204.90	.....	2,744.13	.....	6,375.22	.....
612.96	.....	3,137.68	.....	8,809.84	.....
18,377.10	2,773.94	555,294.52	18,911.94	763,288.78	40,400.26

NIAGARA SYSTEM

Reserve for Renewals—October 31, 1927

Total provision for renewals to October 31, 1926	$7,889,892.34	
Deduct:		
Expenditures to October 31, 1926	607,634.60	
Balance brought forward October 31, 1926		$7,282,257.74
Added during the year ending October 31, 1927:		
Amounts charged to municipalities as part of the cost of power delivered to them	$689,285.35	
Amounts included in costs of distribution of power within Rural Power Districts	78,193.87	
Provision against equipment employed in respect of contracts with sundry companies	209,454.60	
Renewals reserve created in respect of lines purchased and transferred to Rural Power Districts	2,601.66	
Renewals reserve provided on second-hand equipment purchased	696.04	
Renewals reserve provided in respect of certain rural lines transferred to Rural Power Districts	1,943.71	
Interest at 4% per annum on the monthly balances at the credit of the account	291,343.53	
		1,273,518.76
		$8,555,776.50
Deduct:		
Provision for renewals allowed on plant sold to sundry municipalities	$4,575.98	
Expenditures during the year ending October 31, 1927	101,323.36	
		105,899.34
Balance carried forward October 31, 1927		$8,449,877.16

NIAGARA SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1927

Balance brought forward October 31, 1926	$3,379,266.58	
Additional provision for obsolescence and contingencies to October 31, 1927	49,084.50	
		$3,428,351.08
Added during the year ending October 31, 1927:		
Amounts charged to municipalities as part of the cost of power delivered to them	$1,168,156.66	
Amounts included in the costs of distribution of power within rural power districts	39,096.93	
Provision against equipment employed in respect of contracts with sundry customers who purchased power	540,577.08	
Interest at 4% per annum on monthly balances at the credit of the account	135,170.66	
		1,883,001.33
		$5,311,352.41
Deduct:		
Expenditures during the year ending October 31, 1927		15,705.56
Balance carried forward October 31, 1927		$5,295,646.85

NIAGARA SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1927

Municipality	Period of years ending Oct. 31, 1927	Amount	Municipality	Period of years ending Oct. 31, 1927	Amount
		$ c.			$ c.
Acton	10 years	14,424.63	Elora	8 years	10,426.22
Agincourt	3 "	1,314.73	Embro	8 "	3,164.70
Ailsa Craig	7 "	4,953.62	Erieau	4 "	718 34
Alvinston	4 "	3,831.21	Erie Beach	3 "	194 88
Amherstburg	10 "	10,284.04	Essex	4 "	6,047.17
Ancaster twp	4 "	4,420.90	Etobicoke twp	5 "	29,841.79
Arkona	1 "	343.13	Exeter	6 "	10,296.80
Aylmer	4 "	9,264.64	Fergus	8 "	10,991.41
Ayr	8 "	3,482.97	Fonthill	2 "	428 40
Baden	10 "	9,975.46	Ford City	5 "	41,335.64
Barton twp	4 "	7,578.21	Forest	5 "	6,346.39
Beachville	10 "	13,068.23	Galt	11 "	146,957.46
Belle River	5 "	1,744.70	Georgetown	9 "	25,767.03
Blenheim	7 "	9,670.07	Glencoe	4 "	4,031.99
Blyth	4 "	1,523.91	Goderich	8 "	32,887.83
Bolton	7 "	5,812.48	Granton	6 "	2,282.14
Bothwell	7 "	6,624.23	Guelph	11 "	169,920.47
Brampton	11 "	42,055.50	Hagersville	9 "	21,404.25
Brantford	8 "	209,593.40	Hamilton	11 "	725,621.54
Brantford twp	4 "	4,327.00	Harrison	6 "	8,769.40
Bridgen	5 "	3,062.23	Harrow	4 "	3,029.44
Brussels	4 "	2,281.90	Hensall	6 "	3,402.00
Burford	7 "	3,399.77	Hespeler	11 "	22,047.71
Burgessville	6 "	1,333.06	Highgate	6 "	2,786.24
Caledonia	10 "	5,059.12	Humberstone	4 "	2,640.26
Campbellville	3 "	208.61	Ingersoll	11 "	48,451.08
Cayuga	3 "	1,505.20	Jarvis	4 "	2,657.88
Chatham	7 "	101,949.27	Kingsville	4 "	8,366.82
Chippawa	5 "	4,201.88	Kitchener	11 "	312,279.19
Clifford	4 "	1,034.18	Lambeth	7 "	2,213.89
Clinton	8 "	12,132.10	La Salle	2 "	1,038.72
Comber	7 "	5,722.47	Leamington	4 "	11,505.16
Cottam	1 "	200.46	Listowel	6 "	17,044.48
Courtright	4 "	1,046.01	London	11 "	575,382.41
Dashwood	5 "	2,245.75	London Ry. Comm.	8 "	43,103.19
Delaware	7 "	668.85	London twp	3 "	1,663.00
Dorchester	8 "	1,732.36	Louth twp	3 "	222.67
Drayton	4 "	2,751.36	Lucan	7 "	6,004.98
Dresden	7 "	7,844.57	Lynden	7 "	4,959.84
Drumbo	8 "	1,592.61	Markham	4 "	3,471.82
Dublin	5 "	1,421.68	Merlin	4 "	2,868.50
Dundas	11 "	41,442.04	Merritton	6 "	11,425.76
Dunnville	4 "	12,456.89	Milton	9 "	33,688.22
Dutton	7 "	5,007.30	Milverton	6 "	13,867.31
Elmira	9 "	20,986.07	Mimico	10 "	29,980.27

NIAGARA SYSTEM —Continued *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1927

Municipality	Period of years ending Oct. 31, 1927	Amount	Municipality	Period of years ending Oct. 31, 1927	Amount
		$ c.			$ c.
Mitchell	11 years	11,901.23	Seaforth	11 years	20,709.03
Moorefield	4 "	1,506.31	Simcoe	7 "	17,567.25
Mount Brydges	7 "	1,560.09	Springfield	5 "	2,060.43
Newburg	4 "	944.05	Stamford twp	6 "	17,576.12
New Hamburg	11 "	14,018.90	Stouffville	4 "	2,609.91
New Toronto	8 "	101,778.40	Stratford	11 "	151,555.64
Niagara Falls	7 "	138,567.84	Strathroy	8 "	21,701.26
Niagara-on-Lake	4 "	6,325.10	Streetsville	8 "	13,228.51
Norwich	10 "	11,226.37	Sutton	4 "	2,025.51
Oil Springs	4 "	7,328.37	Tavistock	6 "	10,350.30
Otterville	6 "	2,004.42	Tecumseh	5 "	3,610.51
Palmerston	6 "	9,917.23	Thamesford	8 "	4,621.06
Paris	8 "	31,277.70	Thamesville	7 "	4,092.89
Parkhill	4 "	3,892.93	Thedford	4 "	1,888.00
Petrolia	6 "	27,280.46	Thorndale	8 "	2,702.46
Plattsville	8 "	2,543.59	Thorold	5 "	13,518.26
Point Edward	5 "	11,712.37	Tilbury	7 "	10,303.91
Port Colborne	6 "	17,876.60	Tillsonburg	11 "	23,399.52
Port Credit	10 "	7,526.46	Toronto	11 "	4,229,055.60
Port Dalhousie	6 "	6,156.73	Toronto twp	9 "	16,758.96
Port Dover	4 "	4,156.09	Walkerville	8 "	153,201.43
Port Rowan	1 "	401.69	Wallaceburg	7 "	42,390.67
Port Stanley	10 "	10,647.18	Wardsville	4 "	619 86
Preston	11 "	73,619.93	Waterdown	11 "	6,829.30
Princeton	8 "	1,618.81	Waterford	7 "	7,080.01
Queenston	4 "	1,568.43	Waterloo	11 "	65,331.07
Richmond Hill	3 "	1,945.85	Watford	5 "	4,451.08
Ridgetown	7 "	10,277.96	Welland	5 "	64,972.90
Riverside	5 "	11,931.32	Wellesley	6 "	5,100.39
Rockwood	9 "	3,013.47	West Lorne	6 "	8,545.16
Rodney	5 "	2,785.95	Weston	11 "	57,866.97
St. Catharines	6 "	116,752.67	Wheatley	4 "	1,805.26
St. Clair Beach	5 "	1,218.54	Windsor	8 "	430,652.61
St. George	7 "	3,254.02	Woodbridge	8 "	7,714.46
St. Jacobs	5 "	2,998.76	Woodstock	11 "	90,824.29
St. Mary's	11 "	36,610.46	Wyoming	6 "	2,002.31
St. Thomas	11 "	122,619.61	York East twp	3 "	24,120.32
Sandwich	4 "	38,478.26	York North twp	4 "	7,674.98
Sarnia	6 "	135,394.75	Zurich	5 "	3,427.80
Scarboro twp	4 "	24,521.59	Toronto & York Ry.	5 "	65,361.86
			Sandwich, W. & A. Ry	5 "	22,608.07
			Toronto Trans. Com.	1 "	9,865.39

NIAGARA SYSTEM—Continued *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1927

Rural power district	Period of years ending Oct. 31, 1927	Amount	Rural power district	Period of years ending Oct. 31, 1927	Amount
		$ c.			$ c.
RURAL POWER DISTRICTS*			Listowel	1 years	330.71
			London	5 "	12,141.02
Amherstburg	4 years	7,650.05	Lucan	2 "	292.22
Aylmer	6 "	1,992.10	Lynden	6 "	1,888.00
Ayr	2 "	116.05	Markham	5 "	1,780.53
Baden	6 "	2,169.72			
Barton	4 "	692.84	Milton	3 "	320.09
			Milverton	1 "	38.85
Beamsville	5 "	8,814.61	Mitchell	2 "	898.72
Belle River	5 "	3,411.01	Mount Joy	4 "	128.50
Blenheim	4 "	524.99	Newmarket	4 "	1,243.35
Bolton	4 "	322.62			
Bond Lake	4 "	4,613.49	Niagara	6 "	5,260.67
			Norwich	3 "	5,492.93
Bothwell	4 "	276.84	Oil Springs	2 "	418.47
Brampton	4 "	267.43	Palmerston	1 "	5.58
Brant	6 "	2,745.07	Petrolia	5 "	196.17
Brigden	1 "	141.32			
Burford	1 "	266.73	Preston	6 "	8,186.83
			Ridgetown	6 "	3,090.08
Caledonia	3 "	227.08	St. Jacob's	5 "	2,813.66
Chatham	6 "	3,481.96	St. Thomas	5 "	4,965.66
Chippawa	6 "	2,387.04	Saltfleet	6 "	10,998.52
Delaware	5 "	2,660.23			
Dorchester	6 "	5,650.19	Sandwich	6 "	12,013.72
			Sarnia	5 "	4,155.73
Drumbo	6 "	1,256.11	Scarboro	4 "	561.06
Dundas	6 "	4,110.79	Simcoe	5 "	982.13
Dutton	2 "	140.11	Stamford	6 "	1,606.47
Elmira	2 "	167.27			
Elora	2 "	1,202.82	Stratford	4 "	2,513.56
			Strathroy	1 "	110.00
Essex	3 "	1,545.33	Streetsville	5 "	548.14
Exeter	5 "	2,417.31	Tavistock	5 "	1,028.87
Forest	1 "	18.94	Tilbury	4 "	203.63
Galt	6 "	1,022.31			
Georgetown	3 "	362.02	Tillsonburg	4 "	6,242.47
			Wallaceburg	5 "	3,034.39
Goderich	3 "	712.46	Walsingham	1 "	353.14
Grantham	3 "	6,411.97	Walton	3 "	237.21
Guelph	3 "	717.39	Waterdown	5 "	2,971.93
Haldimand	3 "	348.45			
Harrow	4 "	901.59	Waterford	4 "	808.02
			Welland	6 "	14,330.03
Ingersoll	6 "	206.30	Woodbridge	5 "	5,377.58
Jordan	6 "	1,192.11	Woodstock	6 "	6,750.78
Keswick	4 "	2,576.94			
Kingsville	4 "	10,393.47			9,907,227.21
Lansing	4 "	738.03			

*For townships included in rural power districts see "cost of power" and "rural operating" statements preceding.

NIAGARA SYSTEM

Reserve for Sinking Fund, October 31, 1927

Total provision for sinking fund to October 31, 1926		$7,932,626.28
Add:		
Additional sinking fund provided to October 31, 1926, on certain rural power districts	$1,221.54	
Sinking fund provided on lines transferred from "Rural Lines" account to "Rural Power Districts" account	397.59	
		1,619.13
		$7,934,245.41
Deduct:		
Sinking fund on certain lines and equipment sold to municipalities and rural power districts	$1,629.47	
Adjustment of sinking fund revision of 1926	688.15	
		2,317.62
		$7,931,927.79
Provided in the year ending October 31, 1927, in respect of:		
Advances by the Province for construction of transmission lines and stations	$318,701.96	
Advances by the Province for rural power districts	20,764.27	
Advances by the Province for construction of pipe line to Ontario Power generating station	36,923.85	
Advances by the Province for construction of Queenston development	799,890.61	
Bonds issued and assumed by the Commission in connection with the purchase of the properties of the Ontario Power Company, Toronto Power Company, Essex system and Thorold	481,727.67	
Interest at 4% per annum on amounts standing at the credit of the reserve accounts	317,291.06	
		1,975,299.42
		$9,907,227.21

NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective Rural Lines for the year ending October 31, 1927

Lines operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Ancaster township	5,734.62	235.12	103.22	114.69	28.67	481.70
Bothwell	6,571.84	352.91	375.99	171.44	.....	900.34
Brampton	588.87	32.62	10.60	11.78	2.94	57.94
Louth township	2,771.19	154.63	49.88	.....	.....	204.51
Milton	15,909.84	789.13	286.38	318.20	79.55	1,473.26
Scarboro township	4,521.25	278.96	81.38	90.43	22.61	473.38
Welland	19,617.60	823.94	353.12	392.35	98.09	1,667.50
Totals	55,715.21	2,667.31	1,260.57	1,098.89	231.86	5,258.63

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of each line; provision for Renewals, also provision for Contingencies, together with interest allowed thereon to October 31, 1927

Lines operated by	Sinking Fund	
	Period of years ending October 31, 1927	Amount
		$ c.
Ancaster township	14 years	1,723.10
Bothwell	11 "	6,571.84
Brampton	10 "	130.36
Louth township	9 "	610.54
Milton	14 "	1,211.61
Scarboro township	10 "	1,438.82
Welland	15 "	6,536.89
Total sinking fund paid	.....	18,223.16
Provision for renewal of transmission lines	.....	1,775.41
Provision for contingencies	.....	473.00

GEORGIAN BAY

Operating Account for Year

COST OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$1,871 91
Costs of operating and maintaining the generating plants, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of the system		262,942 61
Interest on capital invested		242,638.73
Provision for renewal of generating plant, lines and stations, etc		67,063.49
Provisions for contingencies:		
By charges against municipalities and rural power districts	$39,204.50	
By charges against contracts with private companies	3,712.51	
		42,917.01
Provisions for sinking funds:		
By charges against municipalities and rural power districts	$49,823.96	
By charges against contracts with private companies which purchase power	4,304.17	
		54,128.13
		$671,561.88

GEORGIAN BAY SYSTEM—

Operating Account for Year ending October 31, 1927.

Power purchased from the Commission	$12,929.81
Costs of operating and maintaining transmission lines and equipment	7,102.90
Interest on capital investment	5,124.98
Provision for renewal of lines and equipment	3,645.70
Provision for contingencies	1,813.86
Provision for sinking fund for repayment of cash advances	1,135.19
	$31,752 44

SYSTEM

ending October 31st, 1927

REVENUE FOR PERIOD

Collected from municipalities		$669,694.05
Power sold to private companies		47,905.70
		$717,599.75
Deduct:		
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplied in the period	$47,370.39	
Less:		
Amounts due by certain municipalities, being the difference between sums paid and the cost of power supplied to them in the period	1,332.52	
		46,037.87
		$671,561.88

RURAL POWER DISTRICTS

For detail report see pages 172 and 174

Revenue collected from rural power districts		$33,885.12
Add:		
Deficit on operation of certain rural power districts	$561 18	
Deduct:		
Surplus on operation of certain rural power districts	2,693.89	
		2,132.71
		$31,752.41

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost (under received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating costs		
	To Jan. 1 1927	To Oct. 31 1927				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Alliston	.....	75.00	82,510.16	161.9	17.33	2,827.13	3,910.39	1,340.52
Arthur	98.00	90.00	56,670.69	85.8	9.18	2,698.89	2,669.28	967.70
Barrie	33.00	30.00	357,709.70	1,573.6	168.42	19,085.06	16,845.87	4,112.51
Beaverton	45.00	40.00	44,202.34	174.4	18.67	3,010.87	2,067.78	547.23
Beeton	.....	85.00	66,388.19	108.5	11.62	2,353.00	3,144.66	1,120.22
Bradford	.....	84.00	81,921.08	147.0	15.73	3,474.13	3,880.88	1,356.14
Brechin	85.00	70.00	17,512.19	47.9	5.12	1,076.40	818.17	257.73
Cannington	52.00	45.00	34,456.49	122.1	13.07	2,256.82	1,609.67	452.09
Chatsworth	.....	53.00	10,802.89	35.1	3.76	748.80	508.33	148.26
Chesley	50.00	45.00	108,485.70	343.8	36.80	5,308.56	5,118.23	1,505.74
Coldwater	.....	41.00	27,970.82	99.0	10.60	1,508.80	1,335.75	376.71
Collingwood	42.00	40.00	336,321.61	1,164.6	124.65	18,248.29	15,786.19	4,484.37
Cookstown	65.00	60.00	19,077.28	44.8	4.79	850.57	903.81	295.84
Creemore	65.00	60.00	35,300.38	87.0	9.31	1,977.16	1,661.52	537.52
Dundalk	40.00	37.00	30,801.60	126.5	13.54	2,407.22	1,450.10	371.72
Durham	36.00	35.00	96,964.55	421.0	45.06	5,932.91	4,568.62	1,126.20
Elmvale	.....	36.00	47,232.43	200.7	21.48	2,959.20	2,220.72	557.04
Flesherton	55.00	50.00	19,506.45	65.8	7.04	1,259.13	911.07	225.92
Elmwood	.....	52.00	14,474.22	42.1	4.51	773.75	684.62	208.18
Grand Valley	70.00	60.00	38,956.80	82.7	8.85	2,255.58	1,838.20	619.43
Gravenhurst	.....	25.00	51,301.83	396.0	.....	4,839.66	2,415.08	513.62
Hanover	40.00	38.00	223,742.00	801.6	85.60	10,232.56	10,507.29	2,920.37
Holstein	.....	90.00	12,128.02	10.5	1.12	635.19	572.21	222.28
Huntsville	.....	27.00	173,589.16	1,103.5	.....	14,671.12	8,190.68	2,011.23
Kincardine	.....	72.00	139,098.66	245.8	26.31	4,612.71	6,589.62	2,307.26
Kirkfield	.....	65.00	8,953.04	18.0	1.93	307.45	421.98	144.30
Lucknow	.....	75.00	71,417.13	124.2	13.29	2,773.47	3,384.05	1,188.48
Markdale	39.00	37.00	26,989.89	109.1	11.68	1,658.28	1,264.15	290.38
Meaford	50.00	45.00	90,917.34	277.2	29.67	3,781.95	4,306.69	1,283.00
Midland	28.00	26.00	732,773.65	3,747.8	401.13	37,817.98	34,462.24	7,388.58
Mount Forest	58.00	48.00	89,191.43	290.2	31.06	6,133.55	4,203.23	1,223.37
Neustadt	55.00	65.00	41,428.75	68.6	7.34	1,153.99	1,956.33	695.55
Orangeville	.....	55.00	118,184.68	336.4	36.01	6,362.38	5,579.30	1,714.02
Owen Sound	35.00	30.00	481,916.38	2,106.9	225.50	22,896.14	22,709.84	5,569.30
Paisley	70.00	65.00	40,624.54	90.5	9.69	1,799.11	1,924.67	637.71
Penetanguishene	38.00	35.00	144,301.49	591.3	63.29	6,641.87	6,741.67	1,738.32
Port McNicoll	35.00	33.00	16,778.56	73.2	7.83	831.04	790.55	194.19
Port Perry	70.00	62.00	58,321.31	139.1	14.89	2,692.04	2,762.23	897.80
Priceville	.....	85.00	6,754.58	12.4	1.33	449.66	319.98	111.15
Ripley	.....	95.00	33,044.98	43.3	4.63	1,073.20	1,565.44	577.28

SYSTEM *COST OF POWER*

Section 23 of the Act) of Power supplied to it by the Commission, the amount —and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1927.

and fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
472.65	870.02	9,438.04	42.40	9,480.44	12,145.60	2,665.16	.....
288.79	596.53	7,230.37	22.47	7,252.84	7,854.69	601.85	.....
3,339.33	3,761.47	47,312.66	412.13	47,724.79	48,048.90	324.11	.....
385.68	465.03	6,495.26	45.67	6,540.93	7,124.65	583.72	.....
341.24	699.85	7,670.59	28.42	7,699.01	9,226.02	1,527.01	.....
450.07	863.12	10,040.07	38.50	10,078.57	12,347.15	2,268.58	.....
125.79	184.29	2,467.50	12.54	2,480.04	3,475.10	995.06	.....
283.17	361.88	4,976.70	31.98	5,008.68	5,649.63	640.95	.....
90.02	113.67	1,612.84	9.19	1,622.03	1,858.49	236.46	.....
824.55	1,141.52	13,935.40	90.04	14,025.44	15,780.29	1,754.85	.....
239.78	298.77	3,770.41	25.93	3,796.34	4,057.60	261.26	.....
2,708.72	3,542.37	44,894.59	305.00	45,199.59	46,969.13	1,769.54	.....
126.06	201.20	2,382.27	11.73	2,394.00	2,731.07	337.07	.....
227.55	371.26	4,784.32	22.78	4,807.10	5,295.86	488.76	.....
282.36	324.03	4,848.97	33.13	4,882.10	4,759.11	.....	122.99
920.10	1,020.21	13,612.90	110.26	13,723.16	14,802.48	1,079.32	.....
440.61	496.87	6,695.92	52.56	6,748.48	7,226.58	478.10	.....
155.68	203.39	2,762.23	17.23	2,779.46	3,347.35	567.89	.....
110.68	152.31	1,934.05	11.03	1,945.08	2,189.61	244.53	.....
237.48	410.02	5,369.56	21.66	5,391.22	5,119.75	.....	271.47
713.85	539.23	9,021.44	103.71	9,125.15	9,900.26	775.11	.....
1,903.11	2,350.70	27,999.83	209.93	28,209.76	30,811.20	2,601.44	.....
47.47	127.68	1,605.95	2.75	1,608.70	943.50	.....	665.20
2,036.49	1,827.89	28,737.41	289.00	29,026.41	29,795.17	768.76	.....
760.35	1,464.11	15,760.36	64.37	15,824.73	17,698.62	1,873.89	.....
51.95	94.23	1,021.84	4.71	1,026.55	1,167.80	141.25	.....
392.44	751.72	8,503.45	32.53	8,535.98	9,314.96	778.98	.....
240.83	281.93	3,747.25	28.57	3,775.82	4,074.72	298.90	.....
665.39	956.69	11,023.39	72.60	11,095.99	12,713.38	1,617.39	.....
7,569.08	7,691.81	95,330.82	981.53	96,312.35	98,558.54	2,246.19	.....
685.93	938.48	13,215.62	76.00	13,291.62	14,466.93	1,175.31	.....
218.57	435.79	4,467.57	17.97	4,485.54	4,212.68	.....	272.86
843.71	1,243.67	15,779.09	88.10	15,867.19	18,499.30	2,632.11	.....
4,507.58	5,069.45	60,977.81	551.79	61,529.60	65,027.37	3,497.77	.....
247.22	427.56	5,045.96	23.70	5,069.66	5,956.59	886.93	.....
1,295.16	1,515.03	17,995.34	154.86	18,150.20	21,001.49	2,851.29	.....
161.18	176.50	2,161.29	19.17	2,180.46	2,444.34	263.88	.....
366.27	613.79	7,347.02	36.43	7,383.45	8,814.19	1,430.74	.....
47.06	71.10	1,000.28	3.25	1,003.53	1,052.53	49.00	.....
157.18	347.86	3,725.59	11.34	3,736.93	4,115.84	378.91	.....

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost (under received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating costs		
	To Jan. 1 1927	To Oct. 31 1927				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Shelburne	45.00	42.00	59,110.27	209.5	22.42	4,013.15	2,787.44	777.59
Stayner	.....	45.00	38,542.39	141.6	15.16	2,946.49	1,821.09	501.84
Sunderland	75.00	65.00	22,167.29	51.5	5.51	1,420.23	1,034.06	343.36
Tara	.....	93.00	42,721.12	53.9	5.77	1,066.31	2,021.61	750.34
Teeswater	.....	58.00	60,831.27	133.0	14.24	2,607.68	2,880.31	959.77
Thornton	.....	90.00	14,423.60	22.5	2.41	511.10	683.42	245.43
Tottenham	.....	96.00	41,206.60	51.5	5.51	1,534.20	1,951.65	725.61
Uxbridge	73.00	65.00	62,383.96	142.7	15.27	2,958.67	2,954.61	972.08
Victoria Harbor	.....	45.00	19,101.93	69.3	7.42	958.95	898.51	247.90
Waubaushene	.....	45.00	11,920.27	46.1	4.93	939.23	550.14	144.48
Wingham	.....	71.00	161,900.55	281.2	30.10	5,042.15	7,669.05	2,694.93
Woodville	65.00	60.00	21,291.35	51.4	5.50	1,172.88	985.59	323.52
Rural Power Districts—								
Barrie—Oro and Innisfil twps			7,901.14	32.3	3.46	513.22	372.76	95.55
Cannington No. 1—Brock and Eldon twps			4,524.33	12.9	1.38	257.73	212.64	65.11
Cannington No. 2—Brock twp			6,698.66	18.8	2.01	409.67	316.15	97.47
Elmvale—Flos twp			4,241.25	13.8	1.48	253.05	197.38	56.78
Flesherton—Artemesia twp			1,462.54	3.9	0.42	113.57	68.18	19.51
Georgina—Georgina and Brock twps			6,951.56	26.1	2.79	506.24	329.97	88.62
Mariposa—Mariposa and Brock twps			20,817.75	61.8	6.61	1,304.72	982.11	297.01
Markdale—Artemesia twp			511.30	2.2	0.24	24.41	23.87	5.21
Nottawasaga—Nottawasaga twp			6,457.10	20.7	2.22	363.54	302.61	89.29
Orangeville—Garafraxa E. and Amaranth twps			1,428.30	2.9	0.31	49.28	51.64	16.15
Port Perry—Reach and Scugog twps			3,452.39	9.8	1.05	168.03	163.48	50.13
Shelburne—Melancthon twp.			1,477.85	3.4	0.36	78.16	70.01	22.99
Sparrow Lake—Rama, Orillia and Morrison twps			9,748.80	44.8	4.79	448.53	461.86	108.45
Stayner—Nottawasaga, Sunnidale and Flos twps			14,786.43	45.8	4.90	841.87	684.96	202.32
Tara—Derby twp			404.35	0.8	0.09	12.35	19.13	6.54
Uxbridge—Uxbridge and Reach twps			1,902.34	5.4	0.58	89.39	90.13	27.61
Walkerton Quarry—Brant twp			616.28	1.2	0.13	32.67	29.30	10.24
Totals—Municipalities			4,644,323.59	16,974.1	1,656.27	237,546.66	218,838.57	60,926.11
Totals—Rural power districts			93,382.37	306.6	32.82	5,466.43	4,376.18	1,258.98
Totals—Companies			412,457.58	1,708.2	182.82	19,929.52	19,423.98	4,878.40
			5,150,163.54					
Non-operating capital			48,841.77					
Grand Totals			5,199,005.31	18,988.9	1,871.91	262,942.61	242,638.73	67,063.49

SYSTEM *COST OF POWER*

Section 23 of the Act) of Power supplied to it by the Commission—the amount —and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1927

and fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund	Total	Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
492.28	621.92	8,714.80	54.87	8,769.67	8,911.45	141.78	.....
323.74	407.85	6,016.17	37.08	6,053.25	6,373.13	319.88	.....
139.92	233.02	3,176.10	13.49	3,189.59	3,437.26	247.67	.....
200.67	449.73	4,494.43	14.12	4,508.55	5,009.57	501.02	.....
389.99	640.23	7,492.22	34.83	7,527.05	7,711.03	183.98	.....
80.52	152.05	1,674.93	5.89	1,680.82	2,028.75	347.93	.....
190.42	434.27	4,841.66	13.49	4,855.15	4,944.80	89.65	.....
382.10	656.55	7,939.28	37.37	7,976.65	9,480.26	1,503.61	.....
162.16	200.81	2,475.75	18.15	2,493.90	3,119.59	625.69	.....
108.10	122.83	1,869.71	12.07	1,881.78	2,076.58	194.80	.....
897.77	1,704.13	18,038.13	73.64	18,111.77	19,962.19	1,850.42	.....
135.85	222.47	2,845.81	13.46	2,859.27	3,131.16	271.89	.....
71.33	83.07	1,139.39	8.46	1,147.85	1,147.85	.....	.....
32.09	47.37	616.32	3.38	619.70	619.70	.....	.....
47.20	70.39	942.89	4.92	947.81	947.81	.....	.....
34.90	43.89	587.48	3.61	591.09	591.09	.....	.....
10.76	15.28	227.72	1.02	228.74	228.74	.....	.....
59.40	73.13	1,060.15	6.84	1,066.99	1,066.99	.....	.....
154.39	219.06	2,963.90	16.19	2,980.09	2,980.09	.....	.....
4.78	5.34	63.85	0.58	64.43	64.43	.....	.....
50.54	68.02	876.22	5.42	881.64	881.64	.....	.....
7.61	11.44	136.43	0.76	137.19	137.19	.....	.....
23.99	36.33	443.01	2.56	445.57	445.57	.....	.....
10.27	15.55	197.34	0.89	198.23	198.23	.....	.....
98.15	102.55	1,224.33	11.73	1,236.06	1,236.06	.....	.....
114.72	152.98	2,001.75	11.99	2,013.74	2,013.74	.....	.....
2.38	4.25	44.74	0.21	44.95	44.95	.....	.....
13.22	20.01	240.94	1.41	242.35	242.35	.....	.....
4.12	6.61	83.07	0.31	83.38	83.38	.....	.....
38,464.65	48,848.69	606,280.95	4,445.42	610,726.37	656,764.24	47,370.39	1,332.52
739.85	975.27	12,849.53	80.28	12,929.81	12,929.81	.....	.....
3,712.51	4,304.17	52,431.40	4,525.70	47,905.70	47,905.70	.....	.....
42,917.01	54,128.13	671,561.88	.....	671,561.88	717,599.75	.....	.....

GEORGIAN BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain districts or charged to annual adjustment) of the actual costs

Rural Power Districts	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown on schedule*
	Total	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Barrie—Oro and Innisfil twps.	16,277.99	8,139.00	8,138.99	1,147.85
Beeton—Tecumseh twp.	564.42	282.21	282.21	.....
Cannington No. 1—Brock and Eldon twps.	6,050.41	2,754.42	3,295.99	619.70
Cannington No. 2—Brock twp.	7,923.26	3,408.26	4,515.00	947.81
Elmvale—Flos twp.	1,509.05	622.20	886.85	591.09
Flesherton—Artemesia twp.	2,713.11	1,356.56	1,356.55	228.74
Georgina—Georgina and Brock twps.	16,944.59	8,472.29	8,472.30	1,066.99
Lucknow—Kinloss twp.	331.45	165.73	165.72	.....
Mariposa—Mariposa and Brock twps.	33,243.56	16,621.78	16,621.78	2,980.09
Markdale—Artemesia twp.	1,297.41	648.71	648.70	64.43
Neustadt—Bentinck twp.	506.01	253.00	253.01	.....
Nottawasaga—Nottawasaga twp.	15,511.91	7,755.96	7,755.95	881.64
Orangeville—E. Garafraxa and Amaranth twps.	12,918.04	6,459.02	6,459.02	137.19
Port Perry—Reach and Scugog twps.	2,789.83	1,114.76	1,675.07	445.57
Ripley—Kinloss twp.	394.09	197.04	197.05	.....
Shelburne—Melancthon twp.	4,195.33	1,817.51	2,377.82	198.23
Sparrow Lake—Rama, Orillia and Morrison twps.	36,063.74	18,031.87	18,031.87	1,236.06
Stayner—Nottawasaga, Sunnidale and Flos twps.	30,147.29	.....	30,147.29	2,013.74
Tara—Derby twp.	476.04	144.63	331.41	44.95
Uxbridge—Uxbridge and Reach twps.	1,780.67	722.42	1,058.25	242.35
Walkerton Quarry—Brant twp.	2,284.55	1,142.28	1,142.27	83.38
Totals	193,922.75	80,109.65	113,813.10	12,929.81

*Consult "Cost of Power" table preceding.

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power ments made and interest added during the year, also the net amount Credited October 31, 1927, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alliston	June, 1918	.....	799.16	.....	27.46
Arthur	Dec., 1916	272.27	.....	.....	279.99
Barrie	April, 1913	.....	6,513.71	1,787.81	.....
Beaverton	Nov., 1914	1,717.95	.....	.....	1,554.46
Beeton	Aug., 1918	.....	552.47	.....	17.90

RURAL POWER DISTRICTS *RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each district, the Municipalities comprising certain other districts upon ascertainment (by in the year ending October 31, 1927.

Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the Municipalities comprising certain other districts	
							Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
690.99	351.09	295.53	147.77	77.80	2,711.03	3,086.03	375.00	.....
1.90	14.03	11.29	2.82	2.97	33.01	31.11	.....	1.90
305.06	144.83	113.22	56.60	32.08	1,271.49	1,362.36	90.87	.....
586.24	214.55	158.45	79.23	47.55	2,033.83	2,113.28	79.45	.....
217.81	42.14	35.47	17.73	9.34	913.58	916.92	3.34	.....
114.42	64.46	54.26	27.13	14.28	503.29	477.61	.....	25.68
818.51	402.61	338.90	169.45	89.21	2,885.67	2,428.50	.....	457.17
1.90	8.19	6.63	1.66	1.75	20.13	18.23	.....	1.90
1,140.90	789.87	664.87	332.44	175.03	6,083.20	6,080.39	.....	2.81
27.74	30.83	25.95	12.97	6.83	168.75	158.27	.....	10.48
1.90	12.57	10.12	2.53	2.66	29.78	27.88	.....	1.90
348.64	368.56	310.23	155.12	81.67	2,145.86	2,513.73	367.87	.....
30.25	79.44	66.87	33.43	17.60	364.78	330.73	.....	34.05
168.38	69.23	47.06	23.53	15.34	769.11	747.63	.....	21.48
3.81	9.75	7.88	1.97	2.07	25.48	21.67	.....	3.81
92.47	113.01	83.92	41.96	25.04	554.63	591.34	36.71	.....
997.00	856.88	721.27	360.64	189.88	4,361.73	5,092.16	730.43	.....
1,376.33	1,432.60	602.95	301.47	317.45	6,044.54	6,862.86	818.32	.....
56.78	15.76	9.52	4.75	3.48	135.24	154.41	19.17	.....
92.76	50.30	35.62	17.81	11.14	449.98	565.22	115.24	.....
29.11	54.28	45.69	22.85	12.02	247.33	304.82	57.49	.....
7,102.90	5,124.98	3,645.70	1,813.86	1,135.19	31,752.44	33,885.15	2,693.89	561.18

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjust- or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October, 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31,1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	33.06	2,665.16	.....	1,805.48	.....
4.17	.....	601.85	.....	598.30	.....
.....	259.42	324.11	.....	.....	4,661.21
56.05	.....	583.72	.....	803.26	.....
.....	22.81	1,527.01	.....	933.83	.....

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power ments made and interest added during the year, also the net amount Credited October 31, 1927, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Bradford	Oct., 1918	.....	4,770.07	.....	21.89
Brechin	Jan., 1915	1,769.62	.....	.....	1,707.92
Cannington	Nov., 1914	1,821.39	.....	.....	1,693.44
Chatsworth	Dec., 1915	143.34	.....	.....	146.55
Chesley	July, 1916	3,322.50	.....	.....	3,351.88
Coldwater	Mar., 1913	337.52	.....	.....	5.87
Collingwood	Mar., 1913	6.43	.....	428.07	.....
Cookstown	May, 1918	516.88	.....	.....	521.57
Creemore	Nov., 1914	881.76	.....	5.21	.....
Dundalk	Dec., 1915	924.71	.....	.....	935.01
Durham	Dec., 1915	2,789.03	.....	.....	2,823.58
Elmvale	June, 1913	.....	834.04	.....	8.63
Flesherton	Dec., 1915	735.54	.....	.....	4.36
Elmwood	April, 1918	244.41	.....	.....	246.58
Grand Valley	Dec., 1916	1,473.16	.....	.....	6.82
Gravenhurst	Nov., 1915	259.14	.....	.....	259.20
Hanover	Sept., 1916	4,508.58	.....	.....	4,610.15
Holstein	May, 1916	.....	5,022.12	1,098.81	.....
Huntsville	Sept., 1916	1,724.72	.....	.05	.....
Kincardine	Mar., 1921	.....	2,437.32	.....	25.96
Kirkfield	June, 1920	.....	62.96	1.09	.....
Lucknow	Jan., 1921	394.86	.....	.....	8.42
Markdale	Mar., 1916	556.38	.....	.....	564.82
Meaford	Jan., 1924	3,001.72	.....	.....	17.48
Midland	July, 1911	3,259.47	.....	.....	3,451.63
Mount Forest	Dec., 1915	4,956.59	.....	.....	2,019.82
Neustadt	Dec., 1918	.....	1,820.59	.....	14.79
Orangeville	July, 1916	3,906.71	.....	.....	3,931.36
Owen Sound	Dec., 1915	13,793.11	.....	.....	13,950.52
Paisley	Sept., 1923	1,012.71	.....	.....	8.31
Penetanguishene	July, 1911	3,977.15	.....	.....	3,866.78
Port McNicoll	Jan., 1915	10.88	.....	.....	14.45
Port Perry	Sept., 1922	1,975.01	.....	.....	2,031.74
Priceville	Mar., 1921	.....	294.89	.....	1.18
Ripley	Jan., 1921	159.43	.....	.....	162.76
Shelburne	July, 1916	1,340.83	.....	.....	1,357.82
Stayner	Oct., 1913	783.07	.....	.....	783.17
Sunderland	Nov., 1914	1,363.96	.....	.....	1,279.25
Tara	Feb., 1918	.....	4,570.74	395.99	.....
Teeswater	Dec., 1920	598.73	.....	.....	614.01
Thornton	Nov., 1918	.....	1,007.58	.....	4.11
Tottenham	Oct., 1918	.....	3,559.12	.....	10.53
Uxbridge	Sept., 1922	2,053.33	.....	.....	2,109.40
Victoria Harbour	July, 1914	248.88	.....	.....	248.09
Waubaushene	Dec., 1914	238.19	.....	.....	236.07
Wingham	Dec., 1920	279.46	.....	.....	307.16
Woodville	Nov., 1914	806.59	.....	83.06	.....

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjust- or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31,1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	191.68	2,268.58	.....	.....	2,715.06
28.64	.....	995.06	.....	1,085.40	.....
70.60	.....	640.95	.....	839.50	.....
2.19	.....	236.46	.....	235.44	.....
71.44	.....	1,754.85	.....	1,796.91	.....
13.27	.....	261.26	.....	606.18	.....
17.47	.....	1,769.54	.....	2,221.51	.....
8.88	.....	337.07	.....	341.26	.....
35.48	.....	488.76	.....	1,411.21	.....
16.80	.....	.....	122.99	.....	116.49
58.75	.....	1,079.32	.....	1,103.52	.....
.....	33.71	478.10	.....	.....	398.28
29.25	.....	567.89	.....	1,328.32	.....
3.63	.....	244.53	.....	245.99	.....
58.65	.....	.....	271.47	1,253.52	.....
3.94	.....	775.11	.....	778.99	.....
88.17	.....	2,601.44	.....	2,588.04	.....
.....	182.36	.....	665.20	.....	4,770.87
68.99	.....	768.76	.....	2,562.52	.....
.....	98.53	1,873.89	.....	.....	687.92
.....	2.47	141.25	.....	76.91	.....
15.46	.....	778.98	.....	1,180.88	.....
10.63	.....	298.90	.....	301.09	.....
119.37	.....	1,617.39	.....	4,721.00	.....
47.67	.....	2,246.19	.....	2,101.70	.....
150.78	.....	1,175.31	.....	4,262.86	.....
.....	73.42	.....	272.86	.....	2,181.66
71.80	.....	2,632.11	.....	2,679.26	.....
234.97	.....	3,497.77	.....	3,575.33	.....
40.18	.....	886.93	.....	1,931.51	.....
81.56	.....	2,851.29	.....	3,043.22	.....
0.07	.....	263.88	.....	260.38	.....
35.29	.....	1,430.74	.....	1,409.30	.....
.....	11.84	49.00	.....	.....	258.91
2.29	.....	378.91	.....	377.87	.....
37.14	.....	141.78	.....	161.93	.....
23.51	.....	319.88	.....	343.29	.....
24.15	.....	247.67	.....	356.53	.....
.....	169.22	501.02	.....	.....	3,842.95
9.21	.....	183.98	.....	177.91	.....
.....	40.47	347.93	.....	.....	704.23
.....	142.79	89.65	.....	.....	3,622.79
32.68	.....	1,503.61	.....	1,480.22	.....
7.21	.....	625.69	.....	633.69	.....
6.81	.....	194.80	.....	203.73	.....
4.31	.....	1,850.42	.....	1,827.03	.....
35.59	.....	271.89	.....	1,197.13	.....

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power ments made and interest added during the year, also the net amount Credited October 31, 1927, and the accumulated amount standing as

Rural power districts.	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Rural Power Districts—*					
Barrie	Aug., 1923	211.01	.....	.....	203.63
Beeton	Sept., 1926	.....	.....	.....	0.32
Cannington No. 1	May, 1924	527.99	.....	.....	409.91
Cannington No. 2	May, 1924	1,027.65	.....	.....	853.84
Elmvale	Jan., 1924	86.44	.....	.....	28.76
Flesherton	Feb., 1922	.....	192.30	.....	115.14
Georgina	Oct., 1926	.....	499.80	.....	6.17
Lucknow	Feb., 1924	.....	.....	.....	1.66
Mariposa	Sept., 1923	2,891.39	.....	.....	1,400.62
Markdale	July, 1924	.....	197.21	.....	213.46
Neustadt	Nov., 1926	.....	.....	.....	.....
Nottawasga	Jan., 1922	1,599.76	.....	.....	1,048.81
Orangeville	Aug., 1927	.....	.....	.....	.....
Port Perry	Dec., 1922	466.86	.....	.....	305.87
Ripley	Feb., 1922	.....	.....	.....	1.97
Shelburne	Feb., 1926	.....	29.93	6.65	.....
Sparrow Lake	Oct., 1925	336.87	.....	.....	89.45
Stayner	July, 1923	1,564.70	.....	.....	430.21
Tara	Jan., 1925	157.47	.....	.....	2.20
Uxbridge	Sept., 1925	173.98	.....	.....	72.75
Walkerton Quarry	Feb., 1922	167.09	.....	.....	103.46
Totals	.....	77,377.22	33,164.01	3,806.74	60,531.12

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

GEORGIAN BAY SYSTEM

Reserve for Renewals, October 31, 1927

Total provision for renewals to October 31, 1926	$660,069.27	
Deduct expenditures to October 31, 1926	76,134.86	
Balance brought forward October 31, 1926		$583,934.41
Added during the year ending October 31, 1927:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$62,185.09	
Amount included in costs of distribution of power within rural power districts	3,645.70	
Provision against equipment employed in respect of contracts with sundry companies	4,878.40	
Interest at 4% per annum on monthly balances at the credit of the account	23,357.49	
Provisions for renewal of plant transferred	5.48	
		$678,006.57
Deduct:		
Expenditures during the year ending October 31, 1927		2,241.68
Balance carried forward October 31, 1927		$675,764.89

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjust-
or Charged to each Municipality in respect of power supplied in the year ending
a Credit or Charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
0.29	.....	375.00	.....	382.67	.....
.....	.....	.....	1.90	.....	2.22
8.83	.....	90.87	.....	217.78	.....
19.69	.....	79.45	.....	272.95	.....
2.31	.....	3.34	.....	63.33	.....
.....	12.30	.....	25.68	.....	345.42
.....	20.24	.....	457.17	.....	983.38
.....	0.07	.....	1.90	.....	3.63
78.17	.....	.....	2.81	1,566.13	.....
.....	16.43	.....	10.48	.....	437.58
.....	.....	.....	1.90	.....	1.90
29.05	.....	367.87	.....	947.87	.....
.....	.....	.....	34.05	.....	34.05
12.98	.....	.....	21.48	152.49	.....
.....	0.08	.....	3.81	.....	5.86
.....	0.93	36.71	.....	12.50	.....
9.90	.....	730.43	.....	987.75	.....
45.38	.....	818.32	.....	1,998.19	.....
6.21	.....	19.17	.....	180.65	.....
5.49	.....	115.24	.....	221.96	.....
2.97	.....	57.49	.....	124.09	.....
1,848.32	1,311.83	50,064.28	1,893.70	61,970.31	25,774.41

GEORGIAN BAY SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1927

Balance brought forward October 31, 1926	$288,631.67	
Additional provision for obsolescence and contingencies within rural power districts to October 31, 1926	2,868.53	
		$291,500.20
Added during the year ending October 31, 1927:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$39,204.50	
Amounts included in the costs of distribution of power within rural power districts	1,813.86	
Provision against equipment employed in respect of contracts with sundry companies which purchased power	3,712.51	
Interest at 4% per annum on monthly balances at the credit of the account	11,545.27	
		347,776.34
Deduct:		
Expenditures during the year ending October 31, 1927		2,325.96
Balance carried forward October 31, 1927		$345,450.38

GEORGIAN BAY SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other Sinking Funds, provided out of other revenues of the system and interest allowed thereon to October 31, 1927

Municipality	Period of years ending Oct. 31, 1927	Amount
		$ c.
Alliston	4 years	3,832.48
Arthur	6 "	4,826.84
Barrie	9 "	28,011.15
Beaverton	8 "	6,205.66
Beeton	4 "	3,252.07
Bradford	4 "	3,531.51
Brechin	8 "	2,689.43
Cannington	8 "	4,723.59
Chatsworth	7 "	978.30
Chesley	6 "	7,373.85
Coldwater	9 "	2,641.34
Collingwood	9 "	40,799.97
Cookstown	4 "	988.24
Creemore	8 "	2,963.07
Dundalk	7 "	2,609.37
Durham	7 "	7,505.37
Elmvale	9 "	4,537.26
Elmwood	4 "	668.40
Flesherton	7 "	1,474.70
Grand Valley	6 "	2,676.90
Gravenhurst	7 "	4,035.98
Hanover	6 "	21,233.67
Holstein	6 "	867.73
Huntsville	6 "	12,881.24
Kincardine	3 "	4,791.51
Kirkfield	3 "	707.91
Lucknow	3 "	2,323.01
Markdale	6 "	1,818.82
Meaford	3 "	2,997.30
Midland	9 "	54,763.99
Mount Forest	7 "	6,920.92
Neustadt	4 "	2,363.19
Orangeville	6 "	7,460.05
Owen Sound	7 "	36,604.78
Paisley	3 "	1,340.41
Penetanguishene	11 "	19,303.99
Port McNicoll	8 "	1,294.62
Port Perry	3 "	2,073.36
Priceville	3 "	235.21
Ripley	3 "	1,170.52
Shelburne	6 years	4,218.66
Stayner	9 "	4,043.82
Sunderland	8 "	3,486.54
Tara	4 "	1,927.99
Teeswater	3 "	2,326.43
Thornton	4 "	663.73
Tottenham	4 "	1,953.77
Uxbridge	3 "	2,226.47
Victoria Harbour	8 "	1,647.23
Waubaushene	8 "	908.36
Wingham	3 "	5,726.52
Woodville	8 "	3,635.39
RURAL POWER DISTRICTS*		
Barrie	5 years	559.74
Beeton	2 "	3.57
Cannington D 1	4 "	386.65
Cannington D 2	4 "	530.02
Elmvale	4 "	187.25
Flesherton	6 "	172.37
Georgina	2 "	181.83
Lucknow	2 "	8.04
Mariposa	5 "	1,607.98
Markdale	4 "	180.60
Neustadt	1 "	2.66
Nottawasaga	6 "	947.71
Orangeville	1 "	29.76
Port Perry	5 "	142.14
Ripley	2 "	10.05
Shelburne	2 "	73.75
Sparrow Lake	3 "	472.04
Stayner	5 "	1,485.70
Tara	3 "	21.09
Uxbridge	3 "	67.70
Walkerton Quarry	6 "	115.68
		$357,428.95

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

GEORGIAN BAY SYSTEM

Reserve for Sinking Fund—October 31, 1927

Balance in the reserve as at October 31, 1926	$290,213.83	
Additional provision for sinking fund in respect of certain rural power districts to October 31, 1926	330.05	
		$290,543.88
Provided in the year ending October 31, 1927:		
By charges included in the cost of power delivered to municipalities and rural power districts	$49,823.96	
By charges included in the costs of distribution of power within rural power districts	1,135.19	
By charges against contracts with sundry companies which purchased power	4,304.17	
Interest at 4% per annum on the amount standing at the credit of the account	11,621.75	
		66,885.07
		$357,428.95

GEORGIAN BAY SYSTEM RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective rural lines, for the year ending October 31, 1927

Lines operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brechin	922.02	48.22	16.60	18.44	4.61	87.87
Flesherton	1,885.41	105.77	33.94	37.71	9.43	186.85
Totals	2,807.43	153.99	50.54	56.15	14.04	274.72

GEORGIAN BAY SYSTEM RURAL LINES

Statement showing the Sinking Fund paid in respect of each line, together with Interest allowed thereon, October 31, 1927

Lines operated by	Period of years ending October 31, 1927	Amount
		$ c.
Brechin	9 years	153.08
Flesherton	10 "	250.92
		404.00

ST. LAWRENCE

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$127,005.21
Cost of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expense chargeable to the operation of the System		41,304.14
Interest on capital investment		51,833.26
Provisions for renewal of generating plant, lines and stations, etc.		20,214.40
Provisions for contingencies:		
By charges against municipalities and rural power districts	$2,080.38	
By charges against contracts with private companies	1,669.85	
		3,750.23
Provisions for sinking fund:		
By charges against municipalities and rural power districts	$6,419.38	
By charges against contracts with private companies which purchase power	4,223.50	
		10,642.88
		$254,750.12

ST. LAWRENCE SYSTEM—

Operating Account for Year ending October 31, 1927.

Power purchased from Commission	$7,035.64
Costs of operating and maintaining transmission lines and equipment	4,464.42
Interest on capital investment	2,617.49
Provision for renewal of lines and equipment	1,965.38
Provision for contingencies	982.69
Provision for sinking fund for repayment of cash advances	533.93
	$17,599.55

SYSTEM

ending October 31, 1927

REVENUE FOR PERIOD

Collected from municipalities		$115,646.89
Power sold to private companies		144,914.79
		$260,561.68
Deduct:		
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplied in the period	$7,635.21	
Less:		
Amounts due by certain municipalities, being the difference between sums paid and the cost of power supplied to them in the period	1,823.65	5,811.56
		$254,750.12

RURAL POWER DISTRICTS

For detail report see pages 184 and 186.

Revenue collected from rural power districts		$18,852.11
Add:		
Deficit on operation of certain rural power districts	$29.95	
Deduct:		
Surplus on operation of certain rural power districts	1,282.51	1,252.56
		$17,599.55

ST. LAWRENCE

Statement showing the amount to be paid by each Municipality as the Cost (under received by the Commission from each Municipality on account of such cost, pality upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating costs and		
	To Jan. 1 1927	To Oct. 31 1927				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Alexandria...	80.00	65.00	107,974.85	238.6	3,426.56	2,332.80	5,558.51	2,163.65
Apple Hill....	75.00	70.00	9,663.77	28.5	409.29	433.40	497.78	193.77
Brockville....	38.00	30.00	204,730.46	1,445.5	27,398.58	8,155.50	10,462.17	4,119.72
Chesterville...	60.00	45.00	56,488.02	247.4	5,177.28	2,059.37	2,886.30	1,134.06
Lancaster....	.....	97.00	27,957.51	28.3	406.42	548.19	1,439.09	559.64
Martintown..	65.00	60.00	5,079.43	18.2	261.37	277.82	300.37	116.89
Maxville.....	.....	86.00	35,072.44	47.1	676.41	530.05	1,803.74	701.50
Prescott.....	40.00	30.00	53,493.94	418.6	10,313.71	2,632.87	2,740.54	1,077.16
Russell.....	105.00	85.00	23,283.80	43.1	618.96	1,202.52	1,202.49	466.43
Williamsburg.	65.00	55.00	6,961.39	27.8	399.24	568.86	356.63	139.70
Winchester...	60.00	45.00	28,327.13	140.9	3,354.55	1,686.54	1,447.70	568.99
RURAL POWER DISTRICTS								
Apple Hill—Kenyon and Roxborough twps.....			7,349.70	21.3	305.89	162.68	380.32	147.37
Brockville—Elizabethtown and Augusta twps.....			6,456.90	42.3	607.47	425.38	395.75	156.27
Chesterville — Winchester and Russell twps.....			11,558.11	36.8	528.49	313.02	591.09	229.72
Martintown — Charlottenburg and Lancaster twps.			13,708.23	28.1	403.55	227.40	699.16	272.69
Prescott—Augusta and Edwardsburg twps.....			7,204.38	52.5	753.96	459.73	367.28	145.00
Totals—Municipalities.....			559,032.74	2,684.0	52,442.37	20,427.92	28,695.32	11,241.51
Totals—Rural power districts			46,277.32	181.0	2,599.36	1,588.21	2,433.60	951.05
Totals—Companies.....			398,829.12	5,011.0	71,963.48	19,288.01	20,704.34	8,021.84
			1,004,139.18					
Non-operating capital.....			270,274.61					
Grand Totals.....			1,274,413.79	7,876.0	127,005.21	41,304.14	51,833.26	20,214.40

SYSTEM *COST OF POWER*

Section 23 of the Act) of Power supplied to it by the Commission, the amount —and the amount remaining to be credited or charged to each Munici- of power supplied to it in the year ending October 31, 1927.

fixed charges		Total	Revenue received in excess of cost of power sold to private companies	Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies and obsolescence	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
322.65	1,139.16	14,943.33	1,585.98	13,357.35	16,150.61	2,793.26	.....
34.16	102.02	1,670.42	189.44	1,480.98	2,020.84	539.86	.....
737.22	2,169.04	53,042.23	9,608.30	43,433.93	45,343.86	1,909.93	.....
201.65	597.08	12,055.74	1,644.48	10,411.26	11,676.40	1,265.14	.....
80.16	294.65	3,328.15	188.10	3,140.05	2,749.88	.....	390.17
20.59	61.54	1,038.58	120.98	917.60	1,107.49	189.89	.....
104.26	369.34	4,185.30	313.08	3,872.22	4,052.69	180.47	.....
204.99	567.12	17,536.39	2,782.45	14,753.94	13,320.46	.....	1,433.48
70.30	245.57	3,806.27	286.49	3,519.78	3,877.60	357.82	.....
31.05	73.56	1,569.04	184.79	1,384.25	1,578.81	194.56	.....
107.55	299.57	7,464.90	936.57	6,528.33	6,732.61	204.28	.....
25.04	77.59	1,098.89	141.58	957.31	957.31	.....	.....
30.50	82.28	1,697.65	281.17	1,416.48	1,416.48	.....	.....
38.15	120.95	1,821.42	244.61	1,576.81	1,576.81	.....	.....
43.93	143.57	1,790.30	186.78	1,603.52	1,603.52	.....	.....
28.18	76.34	1,830.49	348.97	1,481.52	1,481.52	.....	.....
1,914.58	5,918.65	120,640.35	17,840.66	102,799.69	108,611.25	7,635.21	1,823.65
165.80	500.73	8,238.75	1,203.11	7,035.64	7,035.64	.....	.....
1,669.85	4,223.50	125,871.02	19,043.77	144,914.79	144,914.79	.....	.....
3,750.23	10,642.88	254,750.12	.....	254,750.12	260,561.68	.....	.....

ST. LAWRENCE SYSTEM—

Statement showing the costs of distribution of power within each Rural Power District, amounts remaining to be credited to certain districts or charged to the Muniment) of the actual costs in the year

Rural Power Districts	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown on schedule*
	Total	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Apple Hill—Kenyon and Roxborough townships	16,977.95	8,405.59	8,592.36	957.31
Brockville—Elizabethtown and Augusta townships	19,700.38	9,850.19	9,850.19	1,416.48
Chesterville—Winchester and Russell townships	22,212.43	10,331.49	11,880.94	1,576.81
Martintown—Charlottenburg and Lancaster townships	18,097.07	8,344.45	9,752.62	1,603.52
Prescott—Augusta and Edwardsburg townships	27,264.42	13,632.21	13,632.21	1,481.52
Williamsburg—Williamsburg township	524.29	262.15	262.14	.....
Totals	104,796.54	50,826.08	53,970.46	7,035.64

*Consult "Cost of Power" table preceding.

RURAL POWER DISTRICTS *RURAL OPERATING*

the revenues collected from (or charged to) customers within each district, and the cipalities comprising certain other districts upon ascertainment (by annual adjust- ending October 31, 1927

Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
							Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
660.18	376.00	287.62	143.82	76.70	2,501.63	2,471.68	.....	29.95
607.31	508.47	394.01	197.00	103.72	3,226.99	3,568.32	341.33	.....
1,112.06	512.36	366.04	183.02	104.51	3,854.80	4,089.51	234.71	.....
952.82	503.43	361.94	180.97	102.69	3,705.37	3,990.48	285.11	.....
1,103.64	703.70	545.29	272.64	143.55	4,250.34	4,652.64	402.30	.....
28.41	13.53	10.48	5.24	2.76	60.42	79.48	19.06	.....
4,464.42	2,617.49	1,965.38	982.69	533.93	17,599.55	18,852.11	1,282.51	29.95

ST. LAWRENCE

Statement showing the net Credit or Charge to each Municipality in respect of power ments made, and interest added during the year, also the net amount Credited October 31, 1927, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alexandria	Jan., 1921	6,683.35	.....	.....	6,724.48
Apple Hill	April, 1921	349.79	.....	.....	355.72
Brockville	April, 1915	17,184.94	.....	60.01	.....
Chesterville	April, 1914	4,937.26	.....	.....	4,927.19
Lancaster	May, 1921	.....	9,059.30	.....	5.97
Martintown	May, 1921	316.38	.....	.....	319.52
Maxville	Feb., 1921	.....	4,731.17	23.45	.....
Prescott	Dec., 1913	5,203.30	.....	12.34	.....
Russell	Feb., 1926	703.54	.....	.....	699.00
Williamsburg	April, 1915	547.40	.....	29.14	.....
Winchester	Jan., 1914	3,306.97	.....	.....	1,821.76
RURAL POWER DISTRICTS—*					
Apple Hill	Nov., 1923	63.58	.....	.....	38.46
Brockville	July, 1922	2,668.05	.....	.....	1,940.11
Chesterville	May, 1922	78.12	.....	.....	190.67
Martintown	Jan., 1922	.....	1,616.46	.....	446.03
Prescott	June, 1922	639.67	.....	.....	1,009.86
Williamsburg	Feb., 1923	96.64	.....	.....	52.31
Totals	.....	42,778.99	15,406.93	124.94	18,531.08

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceing.

ST. LAWRENCE SYSTEM

Reserve for Renewals, October 31, 1927

Total provision for renewals to October 31, 1926	$174,239.68	
Deduct:		
Expenditures to October 31, 1926	13,566.15	
Balance brought forward October 31, 1926		$160,673.53
Added during the year ending October 31, 1927:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$12,192.56	
Amounts included in costs of distribution of power within rural power districts	1,965.38	
Provision against equipment employed in respect of contracts with sundry companies	8,021.84	
Interest at 4% per annum on monthly balances at the credit of the account	6,427.17	
Provisions for renewal of plant transferred	12.91	
		189,293.39
Deduct:		
Expenditures during the year ending October 31, 1927		4,917.10
Balance carried forward October 31, 1927		$184,376.29

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjust-
or Charged to each Municipality in respect of power supplied in the year ending
a Credit or Charge to each Municipality at October 31, 1927.

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
102.36	.....	2,793.26	.....	2,854.49	.....
5.20	.....	539.86	.....	539.13	.....
689.80	.....	1,909.93	.....	19,844.68	.....
108.69	.....	1,265.14	.....	1,383.90	.....
.....	362.61	.....	390.17	.....	9,818.05
6.02	.....	189.89	.....	192.77	.....
.....	188.31	180.47	.....	.....	4,715.56
208.63	.....	.....	1,433.48	3,990.79	.....
17.06	.....	357.82	.....	379.42	.....
23.06	.....	194.56	.....	794.16	.....
128.85	.....	204.28	.....	1,818.34	.....
1.00	.....	.....	29.95	.....	3.83
56.81	.....	341.33	.....	1,126.08	.....
.....	4.50	234.71	.....	117.66	.....
.....	82.50	285.11	.....	.....	1,859.88
.....	14.81	402.30	.....	17.30	.....
2.20	.....	19.06	.....	65.59	.....
1,349.68	652.73	8,917.72	1,853.60	33,124.31	16,397.32

ST. LAWRENCE SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1927

Balance brought forward October 31, 1926	$66,378.04	
Additional provision for obsolescence and contingencies within rural power districts to October 31, 1926	2,336.44	
		$68,714.48
Added during the year ending October 31, 1927:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$2,080.38	
Amounts included in the costs of distribution of power within rural power districts	982.69	
Provision against equipment employed in respect of contracts with sundry companies which purchased power	1,669.85	
Interest at 4% per annum on monthly balances at the credit of the account	2,655.12	
		76,102.52
Deduct:		
Expenditures during the year ending October 31, 1927		572.30
Balance carried forward October 31, 1927		$75,530.22

ST. LAWRENCE SYSTEM

Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds, provided out of other revenues of the system and interest allowed thereon to October 31, 1927

Municipality	Period of years ending October 31, 1927	Amount
		$ c.
Alexandria	3 years	6,273.30
Apple Hill	3 "	576.80
Brockville	7 "	35,903.85
Chesterville	8 "	8,491.66
Lancaster	3 "	1,324.72
Martintown	3 "	334.97
Maxville	3 "	1,703.18
Prescott	8 "	8,503.41
Russell	2 "	560.03
Williamsburg	7 "	847.30
Winchester	8 "	4,366.24
RURAL POWER DISTRICT—*		
Apple Hill	3 "	192.04
Brockville	6 "	1,657.61
Chesterville	6 "	614.19
Martintown	6 "	1,145.24
Prescott	6 "	1,586.67
Williamsburg	2 "	8.26
Total		$74,089.47

*For townships included in rural power districts see "Cost of Power" and "Rural Operating' statements preceding.

RIDEAU

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$6,820.80
Cost of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of the system		30,479.77
Interest on capital investment		57,970.79
Provision for renewal of generating plant, lines and stations, etc		12,198.61
Provision for contingencies:		
By charges against municipalities	$24,565.58	
By charges against private companies	3,072.31	
		27,637.89
Provision for sinking fund:		
By charges against municipalities	$10,129.34	
By charges against private companies which purchased power	1,307.85	
		11,437.19
		$146,545.05

ST. LAWRENCE SYSTEM

Reserve for Sinking Fund, October 31, 1927

Balance in the reserve as at October 31, 1926	$60,487.61	
Additional provision for sinking fund in respect of certain rural power districts to October 31, 1926	5.33	
		$60,492.94
Provided in the year ending October 31, 1927:		
By charges included in the cost of power delivered to municipalities and rural power districts	$6,419.38	
By charges included in the costs of distribution of power within rural power districts	533.93	
By charges against contracts with sundry companies which purchased power	4,223.50	
Interest at 4 per cent. per annum on the amount standing at the credit of the account	2,419.72	
		13,596.53
		$74,089.47

SYSTEM

ending October 31, 1927

REVENUE FOR PERIOD

Collected from municipalities	$140,843.99
Power sold to private companies	15,587.33
	$156,431.32
Deduct:	
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplied in the period	9,886.27
	$146,545.05

RIDEAU

Statement showing the amount to be paid by each Municipality as the Cost received by the Commission from each Municipality on account of such cost upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating costs		
	To Jan. 1, 1927	To Oct. 31, 1927			Cost of power to Commission	Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Carleton Place	55.00	50.00	275,271.10	728.7	1,575.28	7,241.55	14,684.69
Kemptville...	70.00	65.00	62,062.25	179.5	388.04	2,232.66	3,308.85
Lanark.....	85.00	80.00	23,950.27	42.6	92.09	589.08	1,278.52
Perth.....	54.00	50.00	252,045.81	717.3	1,550.63	6,780.95	13,454.32
Smiths Falls..	50.00	45.00	354,267.38	1,135.7	2,455.12	10,382.28	18,597.08
Totals—Municipalities.....			967,596.81	2,803.8	6,061.16	27,226.52	51,323.46
Totals—Companies.....			124,203.06	351.4	759.64	3,253.25	6,647.33
			1,091,799.87				
Non-operating capital.....			82,128.59				
Grand totals.....			1,173,928.46	3,155.2	6,820.80	30,479.77	57,970.79

RIDEAU

Statement showing the net Credit or Charge to each Municipality in respect of power ments made, and interest added during the year, also the net amount Credited October 31, 1927, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Carleton Place.....	May, 1919	6,462.00	.....	.....	6,462.00
Kemptville.....	Dec., 1921	2,355.36	.....	.....	2,355.36
Lanark.....	Sept., 1921	631.50	.....	.....	631.50
Perth.....	Feb., 1919	1,214.09	.....	.....	1,214.09
Smiths Falls.....	Sept., 1918	4,060.24	.....	.....	4,060.24
Totals.....	.....	14,723.19	.....	.....	14,723.19

SYSTEM *COST OF POWER*

(under Section 23 of the Act) of Power supplied to it by the Commission—the amount —and the amount remaining to be credited or charged to each Municipality cost of power supplied to it in the year ending October 31, 1927.

and fixed charges							
Renewals	Contingencies and obsolescence	Sinking fund	Total	Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under section 23 of Act	Amount paid to the Commission by each municipality	Amounts remaining to be credited to each municipality upon ascertainment of the actual cost of power by annual adjustment — Credited
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,305.73	6,452.24	2,898.60	36,158.09	227.77	36,385.86	37,060.29	674.43
698.68	1,578.19	653.14	8,859.56	56.10	8,915.66	11,831.34	2,915.68
350.41	403.32	252.20	2,965.62	13.31	2,978.93	3,451.10	472.17
2,875.64	6,299.84	2,654.04	33,615.42	224.20	33,839.62	36,376.30	2,536.68
3,544.85	9,831.99	3,671.36	48,482.68	354.97	48,837.65	52,124.96	3,287.31
10,775.31	24,565.58	10,129.34	130,081.37	876.35	130,957.72	140,843.99	9,886.27
1,423.30	3,072.31	1,307.85	16,463.68	876.35	15,587.33	15,587.33	.....
12,198.61	27,637.89	11,437.19	146,545.05	.....	146,545.05	156,431.32	.....

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1926, the cash receipts and payments thereon, adjust- or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1927.

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
112.05	.....	674.43	.....	786.48	.....
35.63	.....	2,915.68	.....	2,951.31	.....
9.85	.....	472.17	.....	482.02	.....
17.83	.....	2,536.68	.....	2,554.51	.....
76.78	.....	3,287.31	.....	3,364.09	.....
252.14	.....	9,886.27	.....	10,138.41	.....

RIDEAU SYSTEM

Reserve for Renewals, October 31, 1927

Total provision for renewals to October 31, 1926	$88,191.73	
Deduct:		
Expenditures to October 31, 1926	2,472.45	
Balance brought forward October 31, 1926		$85,719.28
Added during the year ending October 31, 1927:		
Amounts charged to municipalities as part of the cost of power delivered to them	$10,775.31	
Provision against equipment employed in respect of contracts with sundry companies	1,423.30	
Interest at 4% per annum on monthly balances at the credit of the account	3,432.68	
Provisions for renewal of plant transferred	665.15	
		102,015.72
Deduct:		
Expenditures during the year ending October 31, 1927		79.41
Balance carried forward October 31, 1927		$101,936.31

RIDEAU SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1927

Balance brought forward, October 31, 1926	$40,306.29
Added during the year ending October 31, 1927:	
Amounts charged to municipalities as part of the cost of power delivered to them	24,565.58
Provision against equipment employed in respect of contracts with sundry companies which purchased power	3,072.31
Interest at 4% per annum on monthly balances at the credit of the account	1,612.25
Balance carried forward, October 31, 1927	$69,556.43

THUNDER BAY

Operating Account for the

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTION 6 C AND 23 OF THE ACT

Cost of operating and maintaining generating plants, transformer stations and transmission lines, including the proportion of administrative expenses chargeable to the operation of the system		$145,546.48
Interest on capital investment		650,975.17
Provision for renewal of generating plants, transformer stations and transmission lines		107,267.29
Provision for contingencies:		
By charges against municipalities	$44,593.39	
Provision against equipment employed in respect of contracts with sundry customers	16,032.66	
		60,626.05
Provision for sinking fund:		
By charges against municipalities	$95,636.89	
By charges against private companies which purchased power	34,385.27	
		130,022.16
		$1,094,437.15

RIDEAU SYSTEM

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds, provided out of other revenues of the system and interest allowed thereon to October 31, 1927

Municipality	Period of years ending October 31, 1927	Amount
		$ c.
Carleton Place	3 years	12,080.73
Kemptville	3 "	2,732.13
Lanark	3 "	882.82
Perth	3 "	9,494.83
Smiths Falls	4 "	15,864.47
Total		41,054.98

RIDEAU SYSTEM

Reserve for Sinking Fund, October 31, 1927

Balance in the reserve as at October 31, 1926		$28,478.64
Provided in the year ending October 31, 1927:		
By charges included in the cost of power delivered to municipalities	$10,129.34	
By charges against contracts with sundry companies which purchased power	1,307.85	
Interest at 4% per annum on the amount standing at the credit of the account	1,139.15	
		12,576.34
		$41,054.98

SYSTEM

Year Ending October 31, 1927

REVENUE FOR PERIOD

Collected from municipalities	$758,074.12	
Power sold to sundry customers	272,320.98	
		$1,030,395.10
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	$567.29	
Less:		
Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year	52,549.71	
		51,982.42
Revenue		$1,082,377.52
Loss on sale of power supplied to sundry companies (written off to contingency reserve)		12,059.63
		$1,094,437.15

THUNDER BAY

Statement showing the amount to be paid by each Municipality as the Cost— received by the Commission from each Municipality on account of such cost upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Share of operating	
				Operating maintenance and administrative expenses	Interest
	$ c.	$ c.		$ c.	$ c.
Fort William	21.00+Charges*	1,960,261.24	7,194.3	23,260.31	102,340.14
Nipigon twp	40.00	11,851.78	47.5	426.52	622.42
Port Arthur	21.00+Charges†	7,197,400.30	26,527.5	87,559.24	375,857.65
Totals—Municipalities		9,169,513.32	33,769.3	111,246.07	478,820.21
Totals—Companies		3,282,757.99	12,958.9	34,300.41	172,154.96
		12,452,271.31			
Non-operating capital		1,692,408.37			
Grand totals		14,144,679.68	46,728.2	145,546.48	650,975.17

*$21.00 per H.P.+$1.50 per H.P. transformation charges+$500.00 per annum line rental.
†$21.00 per H.P.+$1.50 per H.P. supplied from Bare Point Station.

THUNDER BAY

Statement showing the net credit or charge to each Municipality in respect of power credited or charged to each Municipality in respect of power supplied in as a credit or charge to each

Municipality	Date commenced operating	Net credit or charge at October 31, 1926	
		Credit	Charge
		$ c.	$ c.
Fort William	Oct., 1926	.....	30.90
Nipigon township	Jan., 1926	577.58	.....
Port Arthur	Dec., 1910	.....	130.26
		577.58	161.16

SYSTEM *COST OF POWER*

under Section 23 of the Act—of Power supplied to it by the Commission—the amount —and the amount remaining to be credited or charged to each municipality cost of power supplied to it in the year ending October 31, 1927

costs and fixed charges		Sinking fund	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Contingencies and obsolescence				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
17,086.00	9,531.53	20,440.85	172,658.83	162,062.16	.....	10,596.67
99.81	58.60	124.32	1,331.67	1,898.96	567.29	.....
62,574.17	35,003.26	75,071.72	636,066.04	594,113.00	.....	41,953.04
79,759.98	44,593.39	95,636.89	810,056.54	758,074.12	567.29	52,549.71
27,507.31	16,032.66	34,385.27	284,380.61	272,320.98	.....	*12,059.63
107,267.29	60,626.05	130,022.16	1,094,437.15	1,030,395.10	.....	.....

*Transferred to debt of Contingency reserve.

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1926, interest added during the year, also the net amount the year ending October 31, 1927, and the accumulated amount standing Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	1.24	.....	10,596.67	.....	10,628.81
23.10	.....	567.29	.....	1,167.97	.....
.....	5.21	.....	41,953.04	.....	42,088.51
23.10	6.45	567.29	52,549.71	1,167.97	52,717.32

THUNDER BAY SYSTEM

Reserve for Renewals, October 31, 1927

Total provision for renewals to October 31, 1926	$265,630.31	
Deduct:		
Expenditures to October 31, 1926	287.75	
Balance brought forward October 31, 1926		$265,342.56
Added during the year ending October 31, 1927:		
Amounts charged to municipalities as part of the cost of power delivered to them	$79,759.98	
Provision against equipment employed in respect of contracts with sundry companies	27,507.31	
Interest at 4% per annum on monthly balances at the credit of the account	10,614.96	
Provisions for renewal of plant transferred	45.39	
		117,927.64
		$383,270.20
Deduct:		
Expenditures during the year ending October 31, 1927		1,568.77
Balance carried forward October 31, 1927		$381,701.43

OTTAWA

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased	$193,088.77
Operating expenses	7,917.93
Interest on capital investment	2,716.86
Provision for renewal of lines, etc.	2,170.38
Provision for contingencies	1,072.05
Provision for sinking fund	589.40
	$207,555.39

THUNDER BAY SYSTEM

Reserve for Obsolescence aud Contingencies, October 31, 1927

Balance brought forward October 31, 1926		$50,247.89
Added during the year ending October 31, 1927:		
Amounts charged to municipalities as part of the cost of power delivered to them	$44,593.39	
Provision against equipment employed in respect of contracts with sundry companies which purchased power	16,032.66	
Interest at 4% per annum on monthly balances at the credit of the account	2,009.92	
		62,635.97
		$112,883.86
Deduct:		
Net loss for year on power sold to sundry power customers		12,059.63
Balance carried forward October 31, 1927		$100,824.23

THUNDER BAY SYSTEM

Statement showing Sinking Fund paid by each Municipality as part of the cost of power delivered thereto, together with the proportionate share of other Sinking Funds, provided out of other revenues of the system to October 31, 1927

Municipality	Period of years ending October 31, 1927	Amount
		$ c.
Fort William	1 year	27,766.38
Nipigon township	1 "	172.69
Port Arthur	1 "	102,083.09
		130,022.16

SYSTEM

ending October 31, 1927

Revenue for period

Collected from city of Ottawa		$190,653.30
Collected from customers in Nepean rural power district	$16,107.47	
Add:		
Amoung due by municipalities comprising the Nepean Rural Power District, being the difference between the revenue from customers therein and the cost of power delivered to them in the year	794.62	
		16,902.09
		$207,555.39

OTTAWA

Statement showing the amount to be paid by each municipality as the Cost—under received by the Commission from each municipality on account of such cost; ascertainment (by annual adjustment) of the actual cost of

Municipality	Capital cost	Cost of power	Operation, maintenance and administrative expenses	Fixed	
				Interest	Renewals
	$ c.	$ c.	$ c.	$ c.	$ c.
Ottawa	1,314.71	189,366.81	1,179.05	67.31	26.29
Rural Power District:					
Nepean — Gloucester, Goulburn, GowerN., Nepean and Osgoode twps	58,047.40	3,721.96	6,738.88	2,649.55	2,144.09
	59,362.11				
Non-operating capital	84,078.94				
Totals	143,441 05	193,088.77	7,917.93	2,716.86	2,170.38

OTTAWA

Statement showing the net credit to each Municipality in respect of power supplied to each Municipality in respect of power supplied in the year ending to each Municipality at

Municipality	Date commenced operating	Net credit at October 31, 1926	Adjustment made during year
			Charged
		$ c.	$ c.
Ottawa	Jan., 1914	.....	.....
Rural Power District:			
Nepean—Gloucester, Goulburn, Gower N., Nepean, and Osgoode tps	Feb., 1922	2,233.31	1,689.03
		2,233.31	1,689.03

OTTAWA SYSTEM

Reserve for Renewals, October 31, 1927

Total provision for renewals to October 31, 1926	$4,540.80	
Deduct expenditures to October 31, 1926	69.16	
Balance brought forward October, 31, 1926		4,471.64
Added during the year ending October 31, 1927:		
Amount charged to consumers in Nepean township as part of the cost of power delivered to them	$2,144.09	
Amount charged to the municipality of Ottawa as part of the cost of power delivered to it	26.29	
Interest at 4% per annum on monthly balances at the credit of the account	178.87	
		2,349 25
		$6,820.89
Expenditures during the year ending October 31, 1927		629.94
Balance carried forward October 31, 1927		$6,190.95

SYSTEM *COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each municipality upon power supplied to it in the year ending October 31, 1927.

charges		Total cost of power, operating expenses, fixed charges and interest	Revenue from municipalities	Amount remaining as a charge to the municipalities comprising Nepean rural power district upon ascertainment of the actual cost of power by annual adjustment
Contingencies and Obsolescence	Sinking fund			
$ c.	$ c.	$ c.	$ c.	$ c.
....	13.84	190,653.30	190,653.30	.....
1,072.05	575.56	16,902.09	16,107.47	794.62
1,072.05	589.40	207,555.39	206,760.77	794.62

SYSTEM *CREDIT OR CHARGE*

to it to October 31, 1926, interest added during the year; also the net amount charged October 31, 1927, and the accumulated amount standing as a charge October 31, 1927

Interest at 4% per annum added during the year	Net amount charged in respect of power supplied in the year ending October 31, 1927	Accumulated amount standing as a charge on October 31, 1927
$ c.	$ c.	$ c.
.....	.....	.....
21.77	794.62	228.57
21.77	794.62	228.57

OTTAWA SYSTEM

Reserve for Obsolescence and Contingencies, October 31, 1927

Total provision for contingencies to October 31, 1926		$1,399.56
Additional provision for obsolescence and contingencies within rural power districts, to October 31, 1926		1,689.03
		$3,088.59
Added during the year ending October 31, 1927	$1,072.05	
Interest at 4% per annum on the amounts standing at the credit of the account	123.54	
		1,195.59
Balance carried forward October 31, 1927		$4,284.18

OTTAWA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, and interest allowed thereon to October 31, 1927

Municipality	Period of years ending October 31, 1927	Amount
		$ c.
Ottawa	12 years	152.23
Rural Power District:		
Nepean—Gloucester, Goulburn, Gower N., Nepean, and Osgoode twps.	6 "	1,928.27
		$2,080.50

HYDRO-ELECTRIC POWER

Account with the Provincial Treasurer

NIAGARA AND

February 14, 1927, and March 4, 1927:		
Cash returned to Province, being the unused portion of the advances by the Province in the years 1925 and 1926 for expenditures on account of Niagara and other systems		$304,139.72
April 30, 1927:		
Paid on account of interest	$3,899,100.63	
October 31, 1927:		
Payment of balance of interest	4,184,839.62	
		8,083,940.25
October 31, 1926:		
Retirement made under debt retirement plan	$4,812,000.00	
October 31, 1927:		
Retirement made under debt retirement plan	1,338,567.00	
		6,150,567.00
Balance carried down		147,485,906.81
		$162,024,553.78

COMMISSION OF ONTARIO

for the Year ending October 31, 1927

OTHER SYSTEMS

October 31, 1926:	
Cash advances to date	$149,720,413.53
November 1, 1926, to October 31, 1927:	
Sundry cash advances	4,220,200.00
October 31, 1927:	
Interest for year on all cash advances	8,083,940.25
	$162,024,553.78
November 1, 1927:	
Total cash advances	$153,636,473.81
Less: Payments under debt retirement plan	6,150,567.00
	$147,485,906.81

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

Operating Account for the Year Ending October 31, 1927

EXPENDITURE

Transportation expenses	$322,248.55	
Maintenance—Way and structures	73,785.57	
Maintenance—Equipment	97,379.96	
Power	113,849.47	
Rental of motor buses	86,254.58	
General operating and management expenses	66,101.81	
Proportion of administrative and accounting expenses of the Commission chargeable to the operation of the railway	22,518.31	
Taxes	4,531.82	
Insurance—Fire and Liability	56,139.07	
Written off valuation and other expenses re purchase of the railway by the Commission	1,779.55	
Total operating expenses		$844,588 69
Interest		245,022.36
		$1,089,611.05

REVENUE

Passenger	$1,021,008.27	
Freight and express	34,305.87	
Miscellaneous	14,316.90	
Total revenue		$1,069,631.04
Deficit for the year, charged to the municipalities		19,980.01
		$1,089,611.05

Reserve for Renewals, October 31, 1927

Total provision for renewals to October 31, 1926	$190,299.21	
Deduct:		
Expenditures to October 31, 1926	59,871.05	
Balance brought forward October 31, 1926		$130,428.16
Added during the year ending October 31, 1927:		
Interest at 4% per annum on the monthly balances at the credit of the account		5,089.34
		$135,517.50
Deduct:		
Expenditures during the year ending October 31, 1927		31,788.17
Balance carried forward October 31, 1927		$103,729.33

GUELPH RADIAL RAILWAY

Operating Account for the Year ending October 31, 1927

EXPENDITURE

Transportation expense	$25,007.70	
Maintenance—way and structures	7,730.64	
Maintenance—equipment	15,186.71	
Power	10,115.71	
General operating and management expenses	10,975.11	
Proportion of administrative and accounting expenses of the Commission chargeable to the operation of the railway	2,425.39	
Insurance	5,044.11	
Taxes	2,698.96	
Written off valuation and other expenses re purchase by the Commission	256.30	
		$79,440.63
Interest on debentures		14,893.87
Provision for instalments payable to the city of Guelph on May 1, 1927, and November 1, 1927, under purchase agreement:		
Interest for year	$5,306.19	
On account of principal	6,393.81	
		11,700.00
Provision for renewal of road and equipment		9,760 45
		$115,794.95

REVENUE

Operating revenue	$91,806.84
Net deficit for year, charged to the city of Guelph	23,988.11
	$115,794.95

Reserve for Renewals, October 31, 1927

Provision for renewals year ending October 31, 1926		$8,823.96
Added during the year ending October 31, 1927:		
By appropriation for the year	$9,760.45	
Interest at 4% on the monthly balances at the credit of the account	352.96	
		10,113.41
		$18,937.37

CENTRAL ONTARIO AND TRENT SYSTEM AND NIPISSING SYSTEM

The following balance sheet and operating account relate to the systems known as "Central Ontario and Trent" and "Nipissing" which, together, now serve electrical energy to sixty-six municipalities, companies and rural power districts. The Central Ontario and Trent system extends from the municipality of Pickering on the west to and including the city of Kingston on the east and as far north as Lindsay. The Nipissing system supplies the towns of North Bay, Powassan and Callander, and the village of Nipissing. The Central Ontario and Nipissing systems were purchased by the Provincial Government, as at the 1st of March, 1916, from the Electric Power Company, Limited, the purchase price being the sum of $8,350,000.

Since the acquisition of these properties, and their transfer to the Commission to operate in trust for the Government, it has been found necessary to enlarge, extend and improve the systems to meet the increasing demands for electrical service until at present the capital investment approximates $15,000,000.

The Central Ontario system and the Trent system both receive their electrical energy from the same sources of power supply through the same main transmission network, and from the standpoint of power development and electrical operation are regarded as a unit and now known as the Central Ontario and Trent system. It may be explained that after the Central Ontario system was purchased by the Provincial Government, a number of municipalities in Central Ontario, from time to time, applied to the Hydro-Electric Power Commission for power to be supplied under the provisions of the Power Commission Act. The municipalities in Central Ontario which thus enter into direct relationship with the Hydro-Electric Power Commission are for purposes of financial administration grouped in what is termed the "Trent" system.

The operation of these two systems—the "Central Ontario and Trent" and the "Nipissing"—entails the generation, transformation and transmission of electrical energy to thirty-three municipalities, nineteen companies and fourteen rural power districts, and in addition thereto the operation of three gas plants—at Peterborough, Oshawa and Cobourg—the Cobourg waterworks, the Peterborough street railway (up to April 1st, 1927, when operation was discontinued), the Campbellford pulp mill and certain pulpwood limits connected therewith.

With the exception of fourteen municipalities, namely, Bloomfield, Havelock, Kingston, Lakefield, Madoc, Marmora, Norwood, Omemee, Peterborough, Picton, Stirling, Warkworth, Wellington and Whitby, ten of which were connected to the sustem subsequent to the date of purchase, and constitute the Trent system, the whole property, local and otherwise, is operated and maintained by the Commission. Although the ownership of the whole plant is vested in the province (except the fourteen local systems of the municipalities mentioned), precisely the same methods, with respect to the control of rates, operation, maintenance, and provision for renewal of plant and equipment, are applied, as appertain to the other systems controlled and operated by the Commission.

An annual adjustment of the system's capital cost and expenses is made and those municipalities operating their own utilities and which have contracts for power to be supplied at cost, receive an additional charge or credit—as the case may be—on account of power cost as ascertained by this adjustment, just as is done in the case of the municipalities comprising the Niagara system and other systems.

CENTRAL ONTARIO

(ALSO NIPISSING

Operated by the Hydro-Electric

Statement of Assets and

ASSETS

Central Ontario:		
Power developments and hydraulic rights	$7,789,171.95	
Transformer stations	730,517.61	
Transmission lines	1,779,942.32	
		$10,299,631.88
Local Utilities:—Electric, gas and water		2,567,696.08
Service buildings		34,802.18
Rural Power Districts	$256,385.83	
Less: Government grants	128,192.92	
		128,192.91
Nipissing:		
Power developments and standby plant	$699,672.53	
Transformer stations	36,718.26	
Transmission lines	48,607.46	
		784,998.25
Local Utilities—Electric		238,491.64
Service buildings		6,343.66
Rural Power Districts	$6,729.33	
Less: Government grants	3,364.67	
		3,364.66
Pulp mill and pulpwood areas		437,003.67
		$14,500,524.93
Reserve Funds:		
Invested in securities of the Province of Ontario—par value, $1,143,000.00	$1,127,729.18	
Invested in securities of (or guaranteed by) the Dominion of Canada, par value $900,000.00	900,939.96	
Interest accrued thereon	29,470.83	
		2,058,139.97
Other Investments:		
Debentures of the town of Trenton, re sale of water works	$17,514.71	
Debentures of the town of Napanee, re sale of property and water privileges	12,499.15	
Interest accrued thereon	1,187.81	
		31,201.67
Inventories:		
Tools and equipment	$56,451.31	
Material and supplies	287,231.24	
		343,682.55
Accounts Receivable:		
Power and pulp mill accounts	$109,113.37	
Consumers supply—sales accounts	18,391.33	
Consumers light and power accounts	33,821.20	
	$161,325.90	
Less: Reserve for doubtful accounts	7,564.73	
		153,761.17
Balances due by certain municipalities in respect of the cost of power supplied to them as provided to be paid under their contracts with the Commission		5,250.01
Cash in branch banks		3,007.98
Hydro-Electric Power Commission of Ontario—Current account		167,990.37
Expenses and insurance prepaid		2,423.21
Work in progress:		
Chargeable upon completion to:		
Capital construction	$4,385.59	
Accounts receivable	1,723.43	
		6,109.02
		$17,272,090.88

AND TRENT SYSTEM

SYSTEM)

Power Commission of Ontario

Liabilities, October 31, 1927

LIABILITIES

Province of Ontario:		
Purchase price of system	$8,350,000.00	
Debentures issued in connection with purchase of Bruton township pulpwood area	225,000.00	
Cash advances	6,362,680.41	
		$14,937,680.41
Debentures assumed in respect of rural lines in Whitby and East Whitby townships	$12,791.41	
Interest accrued thereon	591.85	
		13,383.26
Accounts payable and accrued charges	$3,250.64	
Consumers' deposits	30,338.11	
Unearned water rates	2,640.00	
		36,228.75
Balance due to certain municipalities in respect of amounts paid by them in excess of the cost of power supplied to them as provided to be paid under their contracts with the Commission		30,629.31
Reserve for renewals		1,981,565.28
Reserve for contingencies, obsolescence and amortization		269,408.60
Surplus		3,195.27
		$17,272,090.88

Contingent Liabilities:

In respect of contracts entered into for works under construction	$19,494.50
In respect of current accounts	4,063.43

CENTRAL ONTARIO

(ALSO NIPISSING

Operating Account for the Year

COST OF OPERATION

Power Department:		
Power purchased	$11,357.48	
Cost of operating and maintaining generating plants, transmission lines, stations, rural power districts, etc., including rentals of water powers, and the proportion of administrative expenses chargeable to the operation of the Power Department	547,470.55	
Interest on capital investment	537,724.22	
Provision for renewal of generating plants, stations, lines, rural power districts, etc	99,272.68	
Provision for contingencies, obsolescence and amortization	204,357.11	
		$1,400,182.04
Utilities:		
Cost of operating and maintaining electric light distribution systems, gas systems, water system, and the Peterborough street railway (until cessation of railway operation, April 1, 1927), including material and supplies purchased and the proportion of administrative expenses chargeable to the operation of these utilities	$398,566.23	
Interest on capital investment	152,832.05	
Provision for renewal of plants and equipment	49,675.72	
Provision for contingencies, obsolescence and amortization	78,903.77	
		679,977.77
Total cost of operation of power department and utilities		2,080,159.81
Carrying charges for the year on the Bruton Township pulpwood areas, and shortage on the operation of the Campbellford pulp mill, including a charge of $46,026.20 for power		67,156.77
		$2,147,316.58

	Surplus
Net operating shortage for year ending October 31, 1927	$11,785.11
Balance as shown on statement of assets and liabilities	3,195.27
	$14,980.38

AND TRENT SYSTEM

SYSTEM)

ending October 31, 1927

REVENUE FOR PERIOD

Power sold to private companies and certain municipalities, and the pulp mill	$334,581.04	
Power supplied at cost to certain other municipalities, and to rural consumers	309,649.40	
Power supplied at cost to the Peterborough street railway (for five months)	9,448.25	
		$653,678.69
Light and power sold to consumers on the nineteen electric light distribution systems	$1,206,657.86	
Gas sold to consumers on three gas systems and sales of by-products	186,338.22	
Water sold to consumers on one water system	37,263.97	
Revenue from Peterborough street railway (for five months)	37,659.09	
		1,467,919.14
Total revenue from power department and utilities		$2,121,597.83
Net profit on sale of equipment and supplies, etc		13,933.64
		$2,135,531.47
Net operating shortage for year		11,785.11
		$2,147,316.58

Account

Credit balance brought forward from October, 1926	$14,980.38
	$14,980.38

CENTRAL ONTARIO

Statement showing the amount to be paid by each of the following Municipalities received by the Commission from each Municipality on account of such ascertaining, (by annual adjustment), the actual cost of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating cost	
	To Jan. 1, 1927	To Oct. 31, 1927			Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.
Bloomfield	71.00	65.00	39,201.12	84.0	1,866.89	1,899.68
Havelock	56.00	55.00	68,946.69	193.9	3,012.30	3,350.19
Lakefield	76.00	65.00	58,328.00	153.1	2,118.52	2,852.35
Marmora	45.00	45.00	24,986.77	73.5	1,361.52	1,088.85
Norwood	44.00	44.00	27,521.92	107.7	1,626.82	1,338.06
Peterborough	32.00	32.00	1,142,189.97	5,293.8	55,712.73	55,828.64
Picton	59.00	50.00	215,248.11	535.7	9,626.25	10,263.60
Warkworth	65.00	60.00	16,263.07	44.0	1,048.08	788.06
Wellington	61.00	55.00	45,537.15	123.0	2,288.59	2,206.48
Whitby	25.00	32.00	199,854.08	758.5	9,558.21	8,922.01
Rural Power Districts:						
Belleville—Thurlow and Sidney twps			3,058.14	13.6	149.17	148.18
Bowmanville—Darlington twp			1,199.15	5.0	58.62	58.08
Campbellford—Seymour and Rawdon twps.			11,476.91	48.6	482.67	555.65
Cobourg—Hamilton twp			2,029.61	8.3	98.30	98.20
Colborne—Haldimand twp			7,774.59	30.1	342.10	376.62
Kingston—Kingston twp			10,929.68	34.3	432.69	528.30
Newcastle—Clarke twp			220.97	0.8	10.27	10.70
Oshawa—East Whitby, Whitby, Pickering and Darlington twps			44,729.62	188.1	2,179.37	2,169.88
Peterborough—North Monaghon, Douro, Otonabee and Smith twps			40,902.53	191.0	1,882.86	1,981.10
Pickering—Pickering and Whitby twps			16,904.69	67.5	893.19	816.62
Port Hope—Hope twp			946.45	2.8	43.60	32.57
Trenton—Sidney and Murray twps			1,793.18	7.9	97.52	86.99
Totals			1,980,042.40	7,965.2	94,890.27	95,400.81

AND TRENT SYSTEM *COST OF POWER*

as the Cost of Power supplied to it under its contract with the Commission, the amount cost, and the amount credited or charged to each Municipality upon supplied to it in the year ending October 31, 1927

and fixed charges		Total	Share of amount by which cost exceeds the revenue from power sold to private customers and companies	Total cost of power for year as provided to be paid under contracts	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Provision for renewals	Provision for contingencies, obsolescence and amortization					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
549.10	637.65	4,953.32	444.88	5,398.20	5,529.06	130.86	.....
840.61	1,172.13	8,375.23	1,026.93	9,402.16	10,694.94	1,292.78	.....
749.17	1,006.64	6,726.68	810.84	7,537.52	10,276.14	2,738.62	.....
243.94	423.15	3,117.46	389.27	3,506.73	3,306.35	.....	200.38
251.25	510.55	3,726.68	570.40	4,297.08	4,738.39	441.31	.....
8,248.59	19,087.80	138,877.76	28,036.85	166,914.61	169,402.83	2,488.22	.....
2,738.16	3,296.36	25,924.37	2,837.16	28,761.53	27,668.90	.....	1,092.63
202.22	288.70	2,327.06	233.03	2,560.09	2,675.48	115.39	.....
566.75	779.18	5,841.00	651.43	6,492.43	6,906.13	413.70	.....
1,562.57	3,127.09	23,169.88	4,017.14	27,187.02	23,344.05	.....	3,842.97
23.14	52.24	372.73	72.03	444.76	444.76	.....	.....
10.00	20.77	147.47	26.48	173.95	173.95	.....	.....
93.15	202.44	1,334.27	257.39	1,591.66	1,591.66	.....	.....
17.34	36.50	250.34	43.96	294.30	294.30	.....	.....
71.31	144.20	934.23	159.41	1,093.64	1,093.64	.....	.....
122.16	191.62	1,274.77	181.66	1,456.43	1,456.43	.....	.....
2.18	4.08	27.23	4.24	31.47	31.47	.....	.....
369.89	760.42	5,479.56	996.21	6,475.77	6,475.77	.....	.....
283.92	669.42	4,817.30	1,011.57	5,828.87	5,828.87	.....	.....
148.40	291.41	2,149.62	357.49	2,507.11	2,507.11	.....	.....
5.62	11.97	93.76	14.83	108.59	108.59	.....	.....
13.83	30.64	228.98	41.84	270.82	270.82	.....	.....
17,113.66	32,744.96	240,149.70	42,185.04	282,334.74	284,819.64	7,620.88	5,135.98

CENTRAL ONTARIO AND TRENT SYSTEM—

Statement showing the costs of distribution of power within each Rural Power district, and the amounts remaining to be credited to certain districts ascertainment (by annual adjustment) of the actual

Rural power districts and municipalities comprised therein	Total capital cost of each district; Provincial Government grant received and applied thereagainst and the balance representing the investment by the Commission			Cost of power delivered to districts
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Belleville—Thurlow and Sidney twps.	17,487.02	8,743.51	8,743.51	444.76
Bowmanville—Darlington twp.	720.18	360.09	360.09	173.95
Campbellford—Seymour and Rawdon twps.	14,000.22	7,000.11	7,000.11	1,591.66
Cobourg—Hamilton twp.	9,218.80	4,609.40	4,609.40	294.30
Colborne—Haldimand twp.	16,204.18	8,102.09	8,102.09	1,093.64
Kingston—Kingston twp.	28,858.82	14,429.41	14,429.41	1,717.68
Newcastle—Clarke twp.	1,909.05	954.53	954.52	31.47
Oshawa—Whitby, East Whitby, Darlington and Pickering twps.	90,983.18	44,984.97	45,998.21	6,475.77
Peterborough—North Monaghon, Douro, Otonabee and Smith twps.	42,916.00	21,458.00	21,458.00	5,828.87
Pickering—Pickering and Whitby twps.	18,327.19	9,163.60	9,163.59	2,507.11
Port Hope—Hope twp.	10,815.47	5,407.73	5,407.74	108.59
Trenton—Sidney and Murray twps.	2,326.76	1,163.38	1,163.38	270.82
Wellington—Hallowell twp.	909.48	454.74	454.74	60.46
Totals	254,676.35	126,831.56	127,844.79	20,599.08

NIPISSING SYSTEM—

North Bay—West Ferris twp.	6,729.33	3,364.67	3,364.66	793.05

CENTRAL ONTARIO AND TRENT SYSTEM
(ALSO NIPISSING SYSTEM)

Reserve for Renewals, October 31, 1927

Total provision for renewals to October 31, 1926		$2,050,371.49
Deduct:		
Expenditures to October 31, 1926		166,398.37
Balance brought forward October 31, 1926		$1,883,973.12
Added during the year ending October 31, 1927:		
By charges against operation	$152,514.94	
Interest at 4% per annum on the monthly balances to the credit of the account	75,433.51	
		227,948.45
		$2,111,921.57
Deduct:		
Expenditures during the year ending October 31, 1927		130,356.29
Balance carried forward October 31, 1927		$1,981,565.28

RURAL POWER DISTRICTS *RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each or charged to the Municipalities comprising certain other districts upon costs in the year ending October 31, 1927

Cost of operation, maintenance and administration	Interest on capital investment	Provision for renewals	Provision for contingencies, obsolescence and amortization	Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
						Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
958.15	74.60	61.54	31.59	1,570.64	1,916.47	345.83	.....
28.81	17.46	14.40	7.39	242.01	250.93	8.92	.....
260.10	339.02	279.71	143.56	2,614.05	2,800.14	186.09	.....
785.30	140.76	116.14	59.61	1,396.11	2,206.02	809.91	.....
615.32	389.77	321.58	165.06	2,585.37	3,340.87	755.50	.....
1,243.81	691.15	570.24	292.68	4,515.56	5,600.46	1,084.90	.....
184.06	3.40	2.81	1.44	223.18	49.37	.....	173.81
5,686.56	1,979.64	1,613.04	830.69	16,585.70	20,738.58	4,152.58	.....
3,463.81	784.54	647.30	332.22	11,056.74	13,392.88	2,336.14	.....
1,109.32	380.95	314.31	161.32	4,473.01	5,900.93	1,427.92	.....
164.74	42.10	34.74	17.82	367.99	297.48	.....	70.51
370.39	45.99	37.94	19.48	744.62	858.15	113.53	.....
8.91	11.37	9.38	4.81	94.93	138.67	43.74	.....
14,879.28	4,900.75	4,023.13	2,067.67	46,469.91	57,490.95	11,021.04	Net

RURAL POWER DISTRICT

219.54	48.71	40.19	20.63	1,122.12	1,676.92	554.80	.....

CENTRAL ONTARIO AND TRENT SYSTEM
(ALSO NIPISSING SYSTEM)

Reserve for Contingencies, Obsolescence and Amortization, October 31, 1927

Balance brought forward October 31, 1926		$356,942.66
Additional provision for contingencies, obsolescence and amortization as at that date		2,792.97
		$359,735.63
Added during the year ending October 31, 1927:		
By charges against operation	$291,970.52	
Interest at 4% per annum on the monthly balances to the credit of the account	14,389.42	
		306,359.94
		$666,095.57
Deduct:		
Expenditures during the year ending October 31, 1927		396,686.97
Balance carried forward October 31, 1927		$269,408.60

CENTRAL ONTARIO

Statement showing the net Credit or Charge to each of the following Municipalities thereon, adjustments made and interest added during the year, also the net in the year ending October 31, 1927, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1926		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Bloomfield	Apr., 1919	1,172.10	.....	.....	1,172.10
Havelock	Feb., 1921	2,518.18			2,518.18
Lakefield	Aug., 1920	1,519.91	.....	.....	1,519.91
Marmora	Jan., 1921	.....	364.87	369.50	.....
Norwood	Feb., 1921	.....	336.17	340.74	.....
Peterborough	Mar., 1913	.....	20,800.18	21,107.90	.....
Picton	Apr., 1919	5,814.51	.....	.....	5,814.51
Warkworth	Oct., 1923	529.82	.....	.....	529.82
Wellington	Apr., 1919	1,159.32	.....	.....	1,159.32
Whitby	Jan., 1926	.....	4,067.88	4,125.83	
Rural Power Districts:					
Belleville — Thurlow and Sidney twps	Sept., 1927	.....	.....	.....	.....
Bowmanville — Darlington twp	Jan., 1924	125.52	.....	.....	68.75
Campbellford — Seymour and Rawdon twps	Aug., 1924	202.20	.....	.....	.....
Cobourg—Hamilton twp	Feb., 1927	.....	.....	.....	.....
Colborne—Haldimand twp.	Aug., 1925	301.98	.....	129.15	.....
Kingston—Kingston twp	Jan., 1923	1,408.18	.....	.....	.....
Newcastle—Clarke twp	Sept., 1927	.....	.....	.....	.....
Oshawa — East Whitby, Whitby, Darlington and Pickering twps	Apr., 1918	14,983.56	.....	.....	7,203.82
Peterborough—N. Monaghan, Douro, Otonabee and Smith twps	Jan., 1927	.....	.....	.....	.....
Pickering—Pickering and Whitby twps	Jan., 1926	488.03	.....	110.80	.....
Port Hope—Hope twp	Aug., 1927	.....	.....	.....	.....
Trenton—Sidney and Murray twps	Jan., 1924	48.69	.....	.....	18.03
Wellington—Hallowell twp.	Nov., 1925	5.44	.....	.....	.....
Totals	.....	30,277.44	25,569.10	26,183.92	20,004.44

AND TRENT SYSTEM *CREDIT OR CHARGE*

in respect of power supplied to it to October 31, 1926, the cash receipts and payments amount Credited or Charged to each Municipality in respect of power supplied standing as a Credit or Charge to each Municipality at October 31, 1927

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1927		Accumulated amount standing as a credit or charge on October 31, 1927	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
27.19	...	130.86	...	158.05	...
58.15	...	1,292.78	...	1,350.93	...
27.13	...	2,738.62	...	2,765.75	...
...	4.63	...	200.38	...	200.38
...	4.57	441.31	...	441.31	...
...	307.72	2,488.22	...	2,488.22	...
130.29	...	...	1,092.63	...	962.34
9.92	...	115.39	...	125.31	...
25.21	...	413.70	...	438.91	...
...	57.95	...	3,842.97	...	3,842.97
...	...	345.83	...	345.83	...
3.87	...	8.92	...	69.56	...
8.09	...	186.09	...	396.38	...
...	...	809.91	...	809.91	...
15.11	...	755.50	...	1,201.74	...
56.33	...	1,084.90	...	2,549.41	...
...	...	...	173.81	...	173.81
420.34	...	4,152.88	...	12,352.96	...
...	...	2,336.14	...	2,336.14	...
22.12	...	1,427.92	...	2,048.87	...
...	...	...	70.51	...	70.51
1.64	...	113.53	...	145.83	...
0.22	...	43.74	...	49.40	...
805.61	374.87	18,886.24	5,380.30	30,074.51	5,250.01

APPROPRIATIONS, ADVANCES AND CAPITAL EXPENDITURES

For the year ended October 31, 1927

Appropriations made by the Legislature for the purposes of the Commission, Cash Advances by the Province to the Commission on account of such appropriations, and the Capital Expenditures made on each Undertaking and System by the Commission out of such Cash Advances in the Year Ending October 31, 1927

NIAGARA SYSTEM

Appropriations by the Legislature:			
For power developments		$500,000.00	
For steam plant		25,000.00	
For transformer stations, transmission lines and rural lines		3,450,000.00	
For transmission 110,000 kv-a and Eastern district		3,000,000.00	
For condenser stations		500,000.00	
		$7,475,000.00	
Cash advances to the Commission out of such appropriations		$2,134,100.00	
Unexpended balance:			
(a) Returnable to Province	$507,697.64		
(b) Held subject to terms of trust deed re Toronto Power Company property	122,935.35		
		630,632.99	
			$1,503,467.01
Capital expenditures by the Commission:			
On Ontario Power generating plant		$45,280.69	
On Toronto Power generating plant		1,018.26	
On right-of-way		11,432.58	
On transmission lines		11,949.45	
On transformer stations		355,881.56	
On rural power districts		587,096.87	
On eastern transmission lines and stations		815,960.64	
		$1,828,620.05	
On Queenston-Chippawa development:			
Receipts in excess of expenditures	$147,530.72		
On rural lines:			
Receipts in excess of expenditures	54,686.97		
		202,217.69	
		$1,626,402.36	
On Toronto Power generating plant:			
Receipts held subject to terms of trust deed re Toronto Power Company property		122,935.35	
Total			$1,503,467.01

GEORGIAN BAY SYSTEM

Appropriations by Legislature	$465,000.00	
Cash advances to the Commission out of such appropriations	66,000.00	
Unexpended balance returnable to the Province	9,623.69	
		$56,376.31
Capital expenditure by the Commission:		
On power development	$23,782.94	
On transmission lines	16,298.65	
On transformer stations	1,426.87	
On rural power districts	14,859.35	
On extensions to existing rural lines	8.50	
Total		$56,376.31

ST. LAWRENCE AND OTTAWA SYSTEMS

Appropriations by Legislature		$260,000.00	
Cash advances to the Commission out of such appropriations		$110,100.00	
Unexpended balance returnable to the Province		10,217.91	
			$99,882 09
Capital expenditures by the Commission in:			
St. Lawrence System			
On surveys and engineering re power sites on St. Lawrence river	$65,270.25		
On transmission lines	460.03		
On rural power districts	10,991.14		
	$76,721.42		
On transformer stations:			
Receipts in excess of expenditures	7,170.71		
		69,550.71	
Ottawa System:			
On surveys and engineering re power sites on Ottawa river	$10,626.83		
On transformer stations	486.05		
On rural power districts	19,218.50		
		30,331.38	
Total			$99,882.09

RIDEAU SYSTEM

Appropriations by Legislature		$17,000.00	
Cash advances to the Commission out of such appropriations	$16,000.00		
Deduct—Amount appropriated for expenditures in excess of cash advances for year ending October 31, 1926	2,421.65		
		$13,578.35	
Unexpended balance returnable to the Province		1,308.13	
			$12,270.22
Capital expenditures by the Commission:			
On power development		$5,079.00	
On transmission lines		13.06	
On transformer stations		7,178.16	
Total			$12,270.22

THUNDER BAY SYSTEM

Appropriations by Legislature	$5,055,000.00	
Cash advances to the Commission out of such appropriations	$1,516,000.00	
Unexpended balance returnable to the Province	95,891.35	
		$1,420,108.65
Capital expenditure by the Commission:		
On power development	$1,215,399.69	
On transmission lines	92,217.42	
On transformer stations	112,491.54	
Total		$1,420,108.65

CENTRAL ONTARIO AND NIPISSING SYSTEMS

Appropriations by Legislature:			
Central Ontario system	$725,000.00		
Nipissing system	148,000.00		
		$873,000.00	
Cash advances to the Commission out of such appropriations		$356,000.00	
Unexpended balance returnable to the Province		165,078.55	
			$190,921.45
Capital expenditure by the Commission:			
On power development (Central Ontario system)		$14,812.31	
On transmission lines (Central Ontario system)		83,916.57	
On service and office buildings (Central Ontario system)		388.59	
On local utilities (Central Ontario system)		28,815.25	
On rural power districts (Central Ontario system)		54,989.42	
On power development (Nipissing system)		209.59	
On transformer stations (Nipissing system)		409.71	
On transmission lines (Nipissing system)		6,245.66	
On local utilities (Nipissing system)		6,237.70	
On rural power districts (Nipissing system)		3,364.66	
On Bruton limits and Bancroft Mill		200.00	
		$199,589.46	
On transformer stations (Central Ontario system):			
Receipts in excess of expenditures	$8,222.79		
On Pulp Mill:			
Receipts in excess of expenditures	445.22		
		8,668.01	
Total			$190,921.45

MISCELLANEOUS

Appropriations by Legislature	$600,000.00	
Cash advances to the Commission out of such appropriations	$2,000.00	
Unexpended balance returnable to the Province	257.75	
		$1,742.25
Capital expenditure by the Commission:		
On service buildings		$1,742.25

ALGOMA DISTRICT POWER SURVEYS

Appropriation by the Legislature:		
Special warrant	$20,000.00	
Cash advanced to the Commission out of such appropriation		$20,000.00
Capital expenditure by the Commission:		
On surveys and engineering re power sites on Mississaugi river	$5,047.19	
On surveys and engineering re power sites on Montreal river	2,241.04	
	$7,288.23	
Balance held to meet current commitments and to provide for subsequent expenditures. Work is proceeding	12,711.77	
Total		$20,000.00

HYDRO-ELECTRIC RAILWAYS

Sandwich, Windsor and Amherstburg Railway

Proceeds from sale of $350,000.00 par value of bonds issued for the purposes of the railway	$360,500.00	
Less: Cash in the hands of the Commission belonging to the railway, as at October 31, 1927	87,417.15	
		$273,082.85
Capital expenditures by the Commission		273,082.85

Guelph Radial Railway

Expended out of renewal and other funds belonging to the railway	$7,303.41
Capital expenditures by the Commission	7,303.41

Port Credit to St. Catharines Radial Railway

Cash in the hands of the Commission on October 31, 1926, being the unexpended balance of borrowings, $500,000.00	$90,312.54	
Less—Cash in the hands of the Commission, belonging to the railway on October 31, 1927	68,998.29	
		$21,314.25
Capital expenditures by the Commission		21,314.25

Toronto to Port Credit Radial Railway

Expended out of the renewal and other reserve funds of the Commission	$47,286.51

RURAL POWER DISTRICTS—SUMMARY

Statement showing the Total Capital Expenditures to October 31, 1927, on the Construction of Primary and Secondary Lines in Rural Power Districts; the Portions thereof in Course of Construction; the Investment in Lines in Operation; the Amount of Grants (Fifty per cent of both Primary and Secondary Lines) Payable to the Commission by the Province of Ontario; also the Extents to which Grants stand Authorized by Orders-in-Council under the Rural Hydro-Electric Distribution Act, and the Amounts of such Grants Paid over by the Province to the Commission under such Authorizations up to October 31, 1927

System	Total capital expenditure	In course of construction	In operation	Grants 50% of primary and secondary lines payable by the province	Extents to which grants stand authorized by orders-in-council	Grants paid by Province to Commission under such authorization
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara system	4,777,743.54	209,834.91	4,567,908.63	2,388,264.32	2,954,782.76	2,404,402.22
Georgian Bay system	193,277.20	2,547.10	190,730.10	81,383.20	108,167.70	82,177.36
St. Lawrence system	108,804.34	7,152.18	101,652.16	54,402.17	61,277.22	54,217.66
Ottawa system	126,238.98	14,371.19	111,867.79	63,119.49	64,777.76	63,119.49
Central Ontario system	256,385.83	2,722.69	253,663.14	128,192.92	140,913.25	127,732.05
Nipissing system	6,729.33	.....	6,729.33	3,364.67	3,369.50	3,364.67
Totals	5,469,179.22	236,628.07	5,232,551.15	2,718,726.77	3,333,288.19	2,735,013.45
Grants in hands of Commission at October 31, 1927, applicable to further rural power district construction authorized by Orders-in-Council	.....	.....	.....	.....	.....	141,851.65
						2,876,865.10

NOTE:—

The cash paid over by the Province to the Commission up to October 31, 1927, on account of authorized grants to rural power districts, as above set out, amounts to		$2,876,865.10	
The grants payable by the Province, as above set out, in respect of rural power districts as at October 31, 1927, amount in the aggregate to		2,718,726.77	
A balance of			$158,138.33
Which balance represents:			
(a) Grant funds in the hands of the Commission at October 31, 1927, to apply against the construction of certain other authorized rural power districts	$18,001.13		
(aa) Grant funds in hands of the Commission applicable to further rural power districts construction authorized by Orders-in-Council, extension to existing districts and transfer of certain existing "rural lines" to "rural power districts"	141,851.65		
		$159,852.78	
Less:			
(b) Grants (or balance thereof) payable by the Province to the Commission in respect of certain rural power districts completed or under construction		1,714.45	
			158,138.33

SECTION X

MUNICIPAL ACCOUNTS

The Municipal Accounts section of this report presents the results of the operation of the local municipal electrical utilities, in summary, and individually. In this section of the report, the collective activities of the municipalities through the Hydro-Electric Power Commission appear only in the item "power purchased" in the consolidated operating report and in statement "B," and in the item "equity in Hydro-Electric Power Commission systems" in the consolidated balance sheet and in statement "A." For details of these collective activities section IX should be consulted.

Financial statements prepared from the books of all "Hydro" utilities are submitted herein to show how each has operated during the past year, and the financial status at the present time. Other tables give much useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the local electrical utilities in all municipalities which have contracted with the Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with a uniform accounting system designed by the Commission. During the year 1927, the uniform accounting system was installed in the following municipalities as each became ready for the service: Fort William, Arkona, Cottam and Port Rowan.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities, much of the bookkeeping for the electrical utilities is performed by representatives of the Municipal Audit department of the Commission, in order to insure the employment of proper classifications of revenue and expenditures, to save time in preparation of reports, to insure compliance with all the requirements of the standard accounting system, and to make certain that the accounts represent as truly as possible the actual operating results for the year.

The first financial statement in this section presents consolidated balance sheets for each year since 1912, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from $10,081,469.16 in 1913 to $65,522,255.85 in 1927, and the total assets from $11,907,826.86 to

$91,935,884.00. The liabilities have not increased in the same proportion as the assets, rising from $10,468,351.79 to $47,287,156.23. The reason for this is that much of the cost of the increasing plant value has been financed out of surplus and reserve accounts without increasing the liabilities of the various systems. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 54.2 per cent in 1927. The equity in the Hydro-Electric Power Commission system automatically acquired through the inclusion of sinking fund as part of the cost of power is not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. Study of this statement will show that the revenue has been increasing satisfactorily. The combined annual surplus, after providing for every cost of operation and fixed charges, including an adequate depreciation charge, amounted in 1927 to $1,291,986.70.

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal system and the results of operations, and also give information respecting revenue, number of consumers and consumption; cost of power to municipalities; power and lighting rates charged to consumers, etc. In the statements "A" and "B," the municipalities are arranged in groups under each system and alphabetically for the municipalities in each system; in statement "D," the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

Statement "A" shows balance sheets for each municipality with the plant value subdivided into the general natural subdivisions specified in the standard accounting system, and there are also shown the other items which make up the total assets. It is to be noted that among the assets there are items entitled "equity in Hydro system." These items represent the amount of accumulated sinking fund paid by the various municipalities through the medium of "power cost" toward the ultimate retirement of the capital invested by the Hydro-Electric Power Commission on behalf of the partner municipalities. The total accumulation to the end of 1927 is shown on the consolidated balance sheet to be $10,143,205.66.

During the year rebates were made in many municipalities in respect to surpluses standing to the credit of municipal street light and waterworks services, and to individual consumers of amounts varying from one-sixth to one-third of the previous year's revenue. These rebates amounted in round figures to approximately three hundred and fifty thousand dollars and affected the cash balance and surplus in the current balance sheet accordingly, notwithstanding which material increases will be noted in both accounts when compared with the 1926 figures.

In each case the balance sheet is complete and final, including either in "accounts receivable," or "accounts payable," the adjustments with the Hydro-Electric Power Commission of the differences between the estimated and the actual costs of power to the municipality.

The liabilities of each local system are set out under their general subdivisions,—debenture balance, accounts payable, bank overdraft, and other liabilities; this last account including local debentures issued by municipalities to finance ornamental street-lighting systems as local improvements.

The reserves for depreciation, and the acquired equity in the Hydro-Electric Power Commission system, are also listed separately and totalled; and under the heading "surplus" are included not only the free operating profit but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The "depreciation reserve" now amounts to 19.09 per cent of the total depreciable plant, while the "depreciation reserve" and "surplus" combined have already reached the sum of $33,502,605.42, approximating 51 per cent of the total plant cost.

Statement "B" shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure; the amount of the annual surpluses and the sums set aside for depreciation. The population served by each local utility, and the number of consumers of each class, are also shown.

The item "power purchased" includes the annual adjustment made by the Commission, and hence shows for the calendar year the actual cost to the municipal electrical utility and not the cost at the interim billed rates.

Of the 252 municipal electrical utilities included in this statement, 226 had revenue from consumers sufficient to meet all operating expenses and fixed charges and to yield an aggregate operating surplus of $1,315,171.99, for the year; 14 were able to defray all operating and fixed charges except depreciation, but failed to set aside the full theoretical amounts for that reserve by $13,180.17, of which $10,363.17 occurred in Fort William during the first year of operation and prior to the inauguration of "Hydro" rates, only 12 had gross deficits in respect of operating expenses and fixed charges other than depreciation, aggregating $6,305.12. The net surplus for all "Hydro" utilities was $1,291,986.70 for the year.

Statement "C" shows the installation of street lights in each municipality together with the rates set by this Commission, the revenue for 1927, and the cost per capita in each municipality.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers, the average horsepower supplied *by the municipal utility** and the average cost per horsepower per year. For further reference to this informative statement, consult the special introduction to it on page 327.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1927, for domestic service, for commercial light service and for power service.

*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

Year	1913	1914	1915
Number of municipalities included	45	69	99
Assets	$ c.	$ c.	$ c.
Lands and buildings	626,707.34	791,732.20	873,838.18
Substation equipment	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground	644,514.24	807,153.53	928,420.77
Line transformers	615,546.20	787,613.52	981,754.70
Meters	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant	1,401,175.28	420,108.33	461,651.60
Old plant	341,277.00	619,513.12	1,184,372.86
Total plant	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance	450,887.97	422,350.12	284,653.96
Securities and investments	.....	.....	.....
Accounts receivable	344,487.95	561,873.08	602,920.69
Inventories	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures	431,747.27	625,217.03	868,983.78
Equity in Hydro systems	.....	.....	.....
Other assets	58,959.93	123,410.97	326,801.11
Total assets	11,907,826.86	15,249,203.36	17,683,264.07
Liabilities			
Debenture balance	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft	160,919.16	228,622.50	292,106.44
Other liabilities	42,412.81	113,838.66	37,388.31
Total liabilities	10,468,351.79	12,702,689.81	14,201,343.79
Reserves			
For equity in H.E.P.C. system	.....	.....	.....
For depreciation	478,145.88	850,618.07	1,337,739.73
Other reserves	.....	.....	.....
Total reserves	478,145.88	850,618.07	1,337,739.73
Surplus			
Debentures paid	202,751.26	320,129.10	394,466.22
Local sinking fund	431,747.27	625,217.03	868,983.78
Additional operating surplus	326,830.66	750,549.35	880,730.55
Total surplus	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets	88	88.3	80.3

Note.—In computing the percentage of net debt to total assets the sinking fund on local debentures and equity in "Hydro" systems are excluded from assets, and total liabilities are reduced by amount of local sinking fund.

BALANCE SHEET

1916	1917	1918	1919	1920
128	143	166	191	195
$ c.	$ c.	$ c.	$ c.	$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24
1,934,626.12	2,471,293.82	2,820,448.70	2,915,125.56	3,231,050.80
4,832,353.27	6,080,073.42	6,627,237.39	7,445,820.31	8,579,881.49
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29
1,179,132.07	1,483,839.44	1,772,691.35	2,073,114.45	2,560,581.59
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13
2,059,263.42	2,184,015.84	2,395,096.50	2,430,101.08	2,697,636.12
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12
.....	.....	.....	627,076.53	341,855.88
695,152.23	1,285,097.33	1,124,018.44	1,921,166.69	2,022,538.88
764,504.59	1,261,398.36	972,996.96	1,032,569.75	1,400,671.89
1,166,017.73	1,337,578.96	1,663,298.05	1,925,455.77	2,244,004.34
.....	.....	.....	369,071.89	577,584.06
342,215.87	125,240.05	444,787.63	86,216.05	25,447.07
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22
.....	.....	.....	373,871.89	577,584.06
1,843,804.68	2,463,723.83	3,133,550.17	3,750,162.28	4,788,645.03
.....	.....	.....	.....	.....
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,299.09
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,157.52
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
78.4	75.5	71.0	67.9	65.4

CONSOLIDATED

Year	1921	1922
Number of municipalities included	215	226
Assets	$ c.	$ c.
Lands and buildings	3,230,985.63	3,334,552.68
Substation equipment	5,403,689.90	5,046,857.98
Distribution system—overhead	8,397,361.48	11,165,330.24
Distribution system—underground	1,401,135.97	1,598,053.02
Line transformers	3,077,649.83	3,618,684.73
Meters	3,552,076.79	4,033,689.52
Street lighting equipment—regular	1,335,997.13	1,419,016.05
Street lighting equipment—ornamental	610,586.70	666,084.50
Miscellaneous construction expenses	3,030,134.16	3,261,495.74
Steam or hydraulic plant	704,848.46	565,158.54
Old plant	912,388.55	7,997,947.87
Total plant	31,565,854.60	42,706,840.87
Bank and cash balance	900,842.34	1,164,336.24
Securities and investments	556,608.53	443,938.18
Accounts receivable	2,148,287.05	3,874,317.14
Inventories	1,504,596.28	1,738,795.96
Sinking fund on local debentures	2,541,618.35	3,416,231.45
Equity in Hydro systems	795,570.51	1,543,434.12
Other assets	78,929.84	238,940.13
Total assets	40,111,979.23	55,126,834.09
Liabilities		
Debenture balance	21,619,220.99	30,454,186.12
Accounts payable	1,887,567.93	3,669,292.52
Bank overdraft	989,099.98	456,706.69
Other liabilities	938,368.84	586,203.02
Total liabilities	25,434,257.74	35,196,388.35
Reserves		
For equity in H.E.P.C. system	800,249.05	1,543,434.12
For depreciation	5,491,858.93	6,512,813.92
Other reserves	.....	.....
Total reserves	6,292,107.98	8,056,248.04
Surplus		
Debentures paid	1,860,079.53	3,104,591.15
Local sinking fund	2,541,618.35	3,416,231.45
Additional operating surplus	3,983,815.63	5,353,375.10
Total surplus	8,385,613.51	11,874,197.70
Total liabilities, reserves and surplus	40,111,979.23	55,126,834.09
Percentage of net debt to total assets	64.7	63.3

BALANCE SHEET—Concluded

1923	1924	1925	1926	1927
235	248	247	251	252
$ c.	$ c.	$ c.	$ c.	$ c.
4,488,054.93	4,561,648.92	5,768,855.99	6,111,162.54	6,078,394.63
6,015,919.75	6,800,238.00	8,543,166.55	9,505,501.77	14,347,987.70
13,135,581.76	14,182,190.33	16,837,535.57	18,654,240.54	15,716,606.08
1,959,120.41	2,873,446.13	3,388,837.09	3,689,569.95	3,278,382.58
4,211,655.89	4,456,669.02	5,079,754.23	5,538,605.24	5,960,574.10
4,548,933.73	5,149,629.71	5,533,483.92	5,963,162.51	6,211,314.63
1,061,473.85	1,134,491.77	1,256,916.53	1,309,608.30	1,399,314.06
708,431.22	728,298.08	893,186.48	1,103,660.23	1,184,035.82
3,681,274.88	4,168,262.21	4,485,110.96	3,456,777.71	3,324,349.73
566,619.86	4,196,803.45	568,912.49	628,909.57	607,320.00
8,051,496.28	5,587,420.31	4,549,142.46	4,655,422.59	7,413,976.52
48,428,562.56	53,839,097.93	56,904,902.27	60,616,620.95	65,522,255.85
1,276,140.06	1,748,912.34	1,700,145.30	2,136,290.79	3,014,832.48
1,153,424.47	1,329,622.58	1,095,662.92	1,400,316.43	1,696,237.66
3,198,769.34	3,898,751.89	3,417,558.86	3,508,817.87	3,715,770.72
1,819,711.62	1,745,628.16	1,711,504.13	1,397,667.83	1,412,729.41
3,896,261.28	4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77
2,929,603.94	5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66
190,071.63	250,292.77	137,280.05	33,151.81	31,942.45
62,892,544.90	72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00
33,056,501.29	38,005,162.50	37,919,225.01	39,602,533.48	42,891,361.57
3,708,781.76	3,117,224.08	3,139,067.92	3,118,684.78	2,988,621.90
680,814.59	162,100.71	226,147.82	163,725.53	252,362.52
1,517,828.47	1,780,564.27	1,075,914.83	1,087,795.08	1,154,810.24
38,963,826.11	43,065,051.56	42,360,355.58	43,972,738.87	47,287,156.23
2,929,603.94	5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66
7,328,858.69	8,097,834.68	8,699,437.68	9,360,322.27	10,319,889.05
.....	.....	1,157,147.20	947,970.23	1,002,916.69
10,258,462.63	13,518,402.26	17,408,173.58	18,355,161.03	21,466,011.40
2,852,038.38	3,530,610.35	4,440,138.34	5,493,879.83	6,648,767.38
3,896,261.28	4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77
6,921,956.50	8,118,809.08	8,309,074.73	9,317,954.48	10,135,039.22
13,670,256.16	16,170,142.49	17,952,564.77	20,411,509.32	23,182,716.37
62,892,544.90	72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00
62.6	61.4	57.2	55.5	54.2

CONSOLIDATED

Year	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
Earnings	$ c.	$ c.	$ c.	$ c.
Domestic service	.....	572,154.38	789,130.81	944,271.08
Commercial light	.....	525,438.16	673,803.92	720,209.26
Commercial power	.....	905,378.17	1,214,829.31	1,501,797.78
Municipal power	.....	.....	.....	.....
Street lighting	.....	560,925.56	698,409.71	835,970.87
Rural service	.....	.....	.....	.....
Miscellaneous	.....	53,543.24	57,482.41	68,046.29
Total earnings	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
Expenses				
Power purchased	.....	789,632.87	1,045,752.65	1,485,614.72
Substation operation	.....	78,394.81	97,658.90	107,607.31
Substation maintenance	.....	18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance	.....	104,114.51	130,998.65	154,409.71
Line transformer maintenance	.....	8,547.61	11,764.32	11,508.92
Meter maintenance	.....	5,222.19	9,536.07	12,899.14
Consumers' premises expenses	.....	53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance	.....	84,903.76	113,047.80	136,983.38
Promotion of business	.....	72,303.51	86,683.02	74,402.55
Billing and collecting	.....	77,351.76	103,560.71	131,541.27
General office, salaries and expenses	.....	154,932.69	230,899.75	236,777.86
Undistributed expense	.....	65,423.64	89,350.91	129,209.15
Interest	.....	528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures	.....	*	*	*
Total expenses	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation charge	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

OPERATING REPORT

1916	1917	1918	1919	1920
128	143	166	181	186
$ c.	$ c.	$ c.	$ c.	$ c.
1,172,878.96	1,417,460.31	1,632,272.12	1,991,632.31	2,546,345.30
812,130.78	899,023.72	968,399.42	1,175,143.56	1,512,854.63
1,921,152.31	2,665,280.65	3,417,248.37	3,443,107.13	3,752,188.22
.....	.....	.....	.....	532,279.09
930,057.48	967,495.10	902,875.55	988,900.95	1,005,535.11
.....	.....	.....	.....	168,919.95
147,381.50	120,805.39	161,243.70	228,270.65	189,778.63
4,983,601.03	6,070,065.17	7,082,039.16	7,827,054.60	9,707,900.93
1,959,446.83	2,563,880.17	2,807,769.33	3,284,490.68	4,216,667.87
153,761.08	203,091.20	238,257.34	217,638.89	285,407.35
46,131.53	42,129.04	60,805.92	81,853.63	102,050.81
154,247.17	169,326.24	223,347.81	286,310.76	344,551.57
14,528.17	25,328.95	30,488.83	42,509.12	46,323.09
24,218.48	44,461.55	63,155.56	78,726.64	123,701.18
52,602.01	61,765.14	65,149.59	84,301.24	116,283.52
145,471.50	157,857.73	196,157.18	215,963.86	236,930.79
79,324.85	73,516.37	64,962.78	77,789.22	78,294.85
154,508.58	188,083.84	208,660.76	236,504.75	295,942.88
306,709.35	349,932.05	421,680.15	452,131.22	559,695.29
97,333.97	102,938.80	117,474.07	190,690.09	256,400.33
951,781.99	1,085,180.80	1,238,425.53	1,285,571.51	1,431,807.16
*	*	*	*	*
4,140,065.51	5,077,491.08	5,736,334.85	6,531,481.61	8,094,056.69
843,535.52	992,574.09	1,345,704.31	1,295,572.99	1,613,844.24
486,141.80	607,296.29	718,162.30	814,219.37	902,028.75
357,393.72	385,367.80	627,542.01	481,353.62	711,815.49

*Debenture payments included in "Interest."

CONSOLIDATED OPERATING

Year	1921	1922
Number of municipalities included	205	214
Earnings	$ c.	$ c.
Domestic service	3,149,080.03	3,786,608.23
Commercial light	1,851,501.76	2,158,306.34
Commercial power	3,895,437.46	4,383,912.97
Municipal power	654,531.01	973,263.38
Street lighting	1,060,357.77	1,160,446.81
Rural service	145,566.57	105,877.09
Miscellaneous	225,467.70	187,689.39
Total earnings	10,981,942.30	12,756,104.21
Expenses		
Power purchased	4,876,650.31	6,636,853.37
Substation operation	314,838.35	315,443.70
Substation maintenance	104,798.01	100,763.67
Distribution system, operation and maintenance	487,918.33	519,252.16
Line transformer maintenance	65,088.46	52,932.26
Meter maintenance	116,722.97	107,806.88
Consumers' premises expenses	134,854.92	143,388.88
Street lighting, operation and maintenance	297,481.52	297,363.86
Promotion of business	101,804.46	129,932.63
Billing and collecting	321,685.71	338,153.50
General office, salaries and expenses	656,268.11	605,852.50
Undistributed expense	308,874.42	385,895.03
Interest	998,611.47	1,074,657.44
Sinking fund and principal payments on debentures	532,183.96	635,469.90
Total expenses	9,317,781.00	11,343,765.78
Surplus	1,664,161.30	1,412,338.43
Depreciation charge	1,044,434.85	715,814.24
Surplus less depreciation	619,726.45	696,524.19

REPORT—Concluded

1923	1924	1925	1926	1927
224	241	243	249	252
$ c.	$ c.	$ c.	$ c.	$ c.
5,166,452.24	5,993,231.07	6,723,539.06	7,660,191.25	8,470,649.84
3,260,772.50	3,566,227.22	3,901,219.58	4,225,959.77	4,661,133.31
5,927,666.37	6,222,865.88	6,658,973.90	6,868,005.94	7,405,015.16
1,161,598.60	1,352,966.47	1,923,093.09	1,922,512.34	1,913,502.88
1,269,604.48	1,356,668.97	1,441,769.50	1,492,385.10	1,532,876.00
116,639.06	75,100.24	37,975.18	37,810.73	13,765.72
316,311.21	231,663.58	288,041.08	471,134.15	586,079.22
17,219,044.46	18,798,723.43	20,974,611.39	22,677,999.28	24,583,022.13
8,699,026.67	9,669,789.40	11,216,797.53	12,326,255.18	13,652,712.09
474,442.13	430,056.09	417,921.71	463,904.51	446,087.41
133,815.53	202,050.04	222,097.08	286,520.37	275,148.86
636,477.41	648,700.62	695,831.87	803,313.92	773,015.39
75,920.10	82,936.50	80,708.63	80,316.51	97,757.58
139,104.81	141,231.23	161,575.86	196,521.33	221,076.82
218,682.02	237,316.20	277,129.13	296,846.38	302,353.38
299,579.08	269,973.30	278,423.22	299,582.10	321,643.28
184,371.00	202,060.74	225,220.60	243,763.04	223,946.56
444,306.92	490,273.30	552,120.50	588,712.41	630,048.75
937,463.47	889,907.66	925,844.34	823,793.22	856,913.07
359,206.91	494,078.50	533,427.47	468,582.37	533,475.83
1,615,205.16	1,779,991.26	1,996,325.24	2,102,542.56	2,173,345.46
990,907.14	1,122,798.87	1,304,326.67	1,362,577.88	1,521,510.30
15,208,508.35	16,661,163.71	18,887,749.85	20,343,231.78	22,029,034.78
2,010,536.11	2,137,559.72	2,086,861.54	2,334,767.50	2,553,987.35
916,782.75	973,649.62	1,079,618.42	1,157,579.05	1,262,000.65
1,093,753.36	1,163,910.10	1,007,243.12	1,177,188.45	1,291,986.70

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt P.V.	Ailsa Craig	Alvinston	Amherstburg
Population	1,835		418	632	2,907
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,545.45	.....	.....	133.56	1,488.32
Substation equipment	1,847.39	.....	.....	.....	932.00
Distribution system, overhead	16,033.16	6,964.45	7,870.14	14,074.12	23,063.57
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	9,956.33	2,460.25	2,528.03	3,789.20	10,143.16
Meters	7,780.07	1,852.22	2,166.69	3,113.93	13,219.68
Street lighting equipment, regular	1,257.75	690.99	404.09	1,090.62	812.44
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	2,189.40	.....	492.36	758.68	531.43
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	3,481.50	.....	.....	773.85	.....
Total plant	44,091.05	11,967.91	13,461.31	23,733.96	50,190.60
Bank and cash balance	2,656.48	110.89	1,380.94	509.45	7,395.08
Securities and investments	1,500.00	2,000.00	3,000.00	3,000.00	.....
Accounts receivable	3,174.52	687.35	1,469.46	280.09	3,056.34
Inventories	1,951.74	.....	.....	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	14,424.63	1,314.73	4,953.62	3,831.21	10,284.04
Other assets	.....	.....	.....	.....	.....
Total assets	67,798.42	16,080.88	24,265.33	31,354.71	70,926.06
Deficit	.....	.....	.....	449.79	.....
Total	67,798.42	16,080.88	24,265.33	31,804.50	70,926.06
Liabilities					
Debenture balance	3,441.00	6,354.13	2,939.72	18,335.40	32,053.60
Accounts payable	.....	130.47	.....	2,201.75	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	450.04	.....	.....	.....	1,307.37
Total liabilities	3,891.04	6,484.60	2,939.72	20,537.15	33,360.97
Reserves					
For equity in H.E.P.C. systems	14,424.63	1,314.73	4,953.62	3,831.21	10,284.04
For depreciation	8,853.66	928.41	3,721.86	2,242.30	8,804.84
Other reserves	12.00	.....	.....	.....	.....
Total reserves	23,290.29	2,243.14	8,675.48	6,073.51	19,088.88
Surplus					
Debentures paid	11,059.00	1,718.52	1,295.25	5,193.84	.....
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	29,558.09	5,634.62	11,354.88	.....	18,476.21
Total surplus	40,617.09	7,353.14	12,650.13	5,193.84	18,476.21
Total liabilities, reserves and surplus	67,798.42	16,080.88	24,265.33	31,804.50	70,926.06
Percentage of net debt to total assets	7.3	46.6	15.2	74.6	55.0

NOTE —In computing the percentage of net debt to total assets the sinking fund on local debentures and equity in "Hydro" systems are excluded from assets, and total liabilities are reduced by amount of local sinking fund.

"A"

Hydro Municipalities as at December 31, 1927

Ancaster Twp. 4,377	Arkona 363	Aylmer 2,158	Ayr 810	Baden P.V.	Barton Twp. 7,774	Beachville P.V.	Belle River 669
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	8,000.00	125.00	660.64	.....	176.13	.....
.....	.....	.....	.....	.....	.....	.....	.....
21,085.70	8,504.08	19,677.28	9,277.80	6,006.50	64,911.20	12,610.05	11,912.53
.....	.....	.....	.....	.....	.....	.....	.....
7,186.96	1,282.42	7,605.22	2,373.34	3,065.81	11,358.31	2,133.94	2,510.80
7,796.53	1,419.99	8,161.28	2,954.33	2,478.10	16,480.91	2,664.75	2,682.59
1,064.51	656.30	1,316.33	423.17	447.45	2,800.38	395.12	868.19
.....	.....	.....	.....	.....	.....	.....	.....
1,511.21	208.57	1,186.04	809.79	.....	2,777.18	652.04	725.49
.....	.....	.....	.....	.....	.....	.....	.....
.....	2,038.39	6,719.17	4,002.53	.....	.....	.....	.....
38,644.91	14,109.75	52,665.32	19,965.96	12,658.50	98,327.98	18,632.03	18,699.60
6,524.68	.....	4,449.95	358.03	2,863.42	15,350.97	2,297.08	4,072.51
.....	.....	12,000.00	1,000.00	.....	.....	7,000.00	.....
1,799.19	338.72	1,694.46	.....	479.64	883.28	1,390.33	1,085.92
.....	.....	.....	.....	14.96	175.73	.....	.....
.....	.....	.....	.....	.....	5,406.20	.....	.....
6,144.00	343.13	9,264.64	3,482.97	9,975.46	7,578.21	13,068.23	1,744.70
.....	.....	.....	708.89	.....	1,353.43	.....	.....
53,112.78	14,791.60	80,074.37	25,515.85	25,991.98	129,075.80	42,387.67	25,602.73
.....	262.73	.....	.....	.....	1,407.98	.....	.....
53,112.78	15,054.33	80,074.37	25,515.85	25,991.98	130,483.78	42,387.67	25,602.73
14,871.71	12,704.37	26,956.37	3,532.35	3,219.60	87,244.81	3,476.48	7,489.17
1,686.74	1,189.90	.....	274.72	.....	2,179.71	.....	.....
.....	408.47	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	1,341.50	.....	.....
16,558.45	14,302.74	26,956.37	3,807.07	3,219.60	90,766.02	3,476.48	7,489.17
6,144.00	343.13	9,264.64	3,482.97	9,975.46	7,578.21	13,068.23	1,744.70
6,528.26	.....	5,067.11	4,540.26	854.85	10,555.50	3,059.39	1,604.00
.....	.....	.....	.....	.....	.....	.....	5,000.00
12,672.26	343.13	14,331.75	8,023.23	10,830.31	18,133.71	16,127.62	8,348.70
2,128.29	408.46	11,745.55	8,971.03	1,780.40	16,177.85	1,876.52	1,010.83
.....	.....	.....	.....	.....	5,406.20	.....	.....
21,753.78	.....	27,040.70	4,714.52	10,161.67	.....	20,907.05	8,754.03
23,882.07	408.46	38,786.25	13,685.55	11,942.07	21,584.05	22,783.57	9,764.86
53,112.78	15,054.33	80,074.37	25,515.85	25,991.98	130,483.78	42,387.67	25,602.73
35.3	98.9	37.5	17.3	20.1	73.5	11.9	31.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Blenheim	Blyth	Bolton	Bothwell	Brampton
Population	1,569	643	631	648	4,835
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	.....	.....	3,854.06
Substation equipment	909.64	.....	.....	.....	24,701.45
Distribution system, overhead	18,401.42	10,132.23	8,772.15	6,426.54	45,138.44
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	8,007.84	2,206.35	3,407.44	2,219.63	18,996.23
Meters	7,779.27	1,019.44	2,537.15	2,760.97	21,509.33
Street lighting equipment, regular	1,785.57	1,284.19	567.79	459.44	2,474.47
Street lighting equip., ornamental	1,482.97	.....	.....	4,768.18	.....
Misc. construction expense	1,048.37	254.58	1,022.26	528.56	18,127.51
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	2,332.68	1,554.60	.....	.....
Total plant	39,415.08	17,229.47	17,861.39	17,163.32	134,801.49
Bank and cash balance	1,613.29	484.53	514.32	3,156.95	1,656.06
Securities and investments	.....	4,000.00	1,000.00	5,000.00	18,425.69
Accounts receivable	987.43	2,030.18	1,153.25	2,160.65	3,612.52
Inventories	.....	.....	28.37	12.26	174.27
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	9,670.07	1,523.91	5,812.48	6,624.23	42,055.50
Other assets	.....	.....	.....	.....	.....
Total assets	51,685.87	25,268.09	26,369.81	34,117.41	200,725.53
Deficit	.....	.....	.....	.....	.....
Total	51,685.87	25,268.09	26,369.81	34,117.41	200,725.53
LIABILITIES					
Debenture balance	11,012.63	18,282.10	8,859.67	3,933.06	33,186.65
Accounts payable	.....	13.69	.....	1,923.88	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	1,482.97	.....	.....	.....	.....
Total liabilities	12,495.60	18,295.79	8,859.67	5,856.94	33,186.65
RESERVES					
For equity in H.E.P.C. systems	9,670.07	1,523.91	5,812.48	6,624.23	42,055.50
For depreciation	7,437.51	799.02	5,729.92	3,254.10	35,219.70
Other reserves	.....	.....	.....	.....	.....
Total reserves	17,107.58	2,322.93	11,542.40	9,878.33	77,275.20
SURPLUS					
Debentures paid	2,987.37	2,050.58	3,640.33	1,601.13	35,863.99
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	19,095.32	2,598.79	2,327.41	16,781.01	54,399.69
Total surplus	22,082.69	4,649.37	5,967.74	18,382.14	90,263.68
Total liabilities, reserves and surplus	51,685.87	25,268.09	26,369.81	34,117.41	200,725.53
Percentage of net debt to total assets	29.7	77.0	43.9	21.3	20.9

"A"—Continued

Hydro Municipalities as at December 31, 1927

Brantford 27,410	Brantford Twp. 7,112	Brigden P.V.	Brussels 822	Burford P.V.	Burgessville, P.V.	Caledonia 1,450	Campbellville, P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
71,283.10	.....	101.03	.....	202.00	.....	.....	.....
123,560.77	1,192.71	.....	.....	.....	.....	.....	.....
207,343.25	41,120.14	6,261.56	13,325.18	7,682.51	2,890.30	12,689.59	2,690.44
6,000.00	.....	.....	.....	.....	.....	.....	.....
97,967.89	12,637.78	1,457.90	2,395.35	1,967.06	959.80	4,146.96	408.11
100,510.50	9,310.01	2,075.32	3,042.43	2,834.65	653.14	4,385.36	416.89
22,858.36	2,868.47	249.45	1,568.00	394.64	188.39	1,331.34	258.56
38,797.27	.....	.....	.....	.....	.....	.....	.....
28,525.19	4,066.98	858.11	1,537.56	644.50	453.00	587.31	6.82
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1,381.00	2,827.50	.....	.....	.....	.....
696,846.33	71,196.09	12,384.37	24,696.02	13,725.36	5,144.63	23,140.56	3,780.82
1,814.04	1,278.50	672.11	1,469.87	449.72	1,264.54	85.84	70.86
.....	12,894.65	.....	.....	1,000.00	.....	.....	1,500.00
15,941.81	.....	1,048.92	1,066.99	750.09	535.02	256.40	331.94
840.78	29.20	.....	.....	.....	.....	.....	.....
124,879.08	1,646.60	.....	.....	.....	.....	.....	.....
209,593.40	4,327.00	3,062.23	2,281.90	3,399.77	1,333.06	5,059.12	208.61
.....	.....	.....	.....	263.17	.....	.....	51.39
1,049,915.44	91,372.04	17,167.63	29,514.78	19,588.11	8,277.25	28,541.92	5,943.62
.....	.....	.....	.....	.....	.....	.....	.....
1,049,915.44	91,372.04	17,167.63	29,514.78	19,588.11	8,277.25	28,541.92	5,943.62
417,500.00	40,421.54	2,326.86	18,384.79	2,321.57	1,893.83	3,033.82	4,934.04
29,824.88	861.66	.....	.....	.....	.....	2,369.00	.....
.....	486.84	.....	.....	.....	.....	.....	.....
44,598.17	1,253.50	.....	.....	.....	.....	.....	.....
491,922.75	43,023.54	2,326.86	18,384.79	2,321.57	1,893.83	5,402.82	4,934.04
209,593.40	4,327.00	3,062.23	2,281.90	3,399.77	1,333.06	5,059.12	208.61
129,439.58	12,794.72	1,779.66	1,234.75	2,822.88	1,311.29	2,052.11	231.00
.....	.....	.....	.....	.....	.....	.....	.....
339,032.98	17,121.72	4,841.89	3,516.65	6,222.65	2,644.35	7,111.23	439.61
62,500.00	16,704.12	5,673.14	2,615.21	6,678.43	1,606.17	1,590.18	513.73
124,879.08	1,646.60	.....	.....	.....	.....	.....	.....
31,580.63	12,876.06	4,325.74	4,998.13	4,365.46	2,132.90	14,437.69	56.24
218,959.71	31,226.78	9,998.88	7,613.34	11,043.89	3,739.07	16,027.87	569.97
1,049,915.44	91,372.04	17,167.63	29,514.78	19,588.11	8,277.25	28,541.92	5,943.62
51.3	48.4	16.4	67.5	14.3	27.2	23.0	86.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Cayuga	Chatham	Chippawa	Clifford	Clinton
Population	696	14,142	1,101	490	1,974
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	43.44	40,292.35	.....	.....	6,632.83
Substation equipment	.....	73,059.01	.....	.....	7,544.43
Distribution system, overhead	14,331.30	131,092.44	15,091.66	5,719.46	20,164.13
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	2,809.06	61,999.86	4,026.31	787.64	6,860.03
Meters	1,963.47	60,973.66	3,544.24	1,408.80	7,461.31
Street lighting equipment, regular	931.58	9,059.69	1,320.15	571.99	1,195.54
Street lighting equip., ornamental	.....	26,907.19	.....	.....	.....
Misc. construction expense	283.41	28,625.54	935.32	37.44	3,632.50
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	43,033.45	.....	.....	10,658.09
Total plant	20,362.26	475,043.19	24,917.68	8,525.33	64,148.86
Bank and cash balance	1,158.12	50.00	4,427.33	2,560.28	1,339.47
Securities and investments	.....	30,000.00	.....	.....	.....
Accounts receivable	359.64	40,051.40	427.40	310.48	3,110.62
Inventories	168.86	6,987.66	19.15	.....	2,578.30
Sinking fund on local debentures	.....	.....	.....	.....	14,254.19
Equity in Hydro systems	1,505.20	101,949.27	4,201.88	1,034.18	12,132.10
Other assets	.....	.....	.....	.....	.....
Total assets	23,554.08	654,081.52	33,993.44	12,421.27	97,563.54
Deficit	.....	.....	.....	.....	.....
Total	23,554.08	654,081.52	33,993.44	12,421.27	97,563.54
LIABILITIES					
Debenture balance	18,182.87	212,481.17	10,275.83	7,650.10	44,500.00
Accounts payable	707.65	15,272.05	.....	.....	972.49
Bank overdraft	.....	1,407.92	.....	.....	.....
Other liabilities	.....	26,907.19	.....	.....	.....
Total liabilities	18,890.52	256,068.33	10,275.83	7,650.10	45,472.49
RESERVES					
For equity in H.E.P.C. systems	1,505.20	101,949.27	4,201.88	1,034.18	12,132.10
For depreciation	1,258.00	71,420.81	3,446.36	467.73	14,083.97
Other reserves	.....	.....	.....	.....	.....
Total reserves	2,763.20	173,370.08	7,648.24	1,501.91	26,216.07
SURPLUS					
Debentures paid	1,817.13	57,518.83	3,074.17	349.90	.....
Local sinking fund	.....	.....	.....	.....	14,254.19
Additional operating surplus	83.23	167,124.28	12,995.20	2,919.36	11,620.79
Total surplus	1,900.36	224,643.11	16,069.37	3,269.26	25,874.98
Total liabilities, reserves and surplus	23,554.08	654,081.52	33,993.44	12,421.27	97,563.54
Percentage of net debt to total assets	85.6	46.3	37.9	67.1	43.8

"A"—Continued

Hydro Municipalities as at December 31, 1927

Comber P.V.	Cottam P.V.	Courtright 416	Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 568	Dresden 1,384
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	523.00
5,138.03	8,517.71	5,260.09	1,988.13	2,465.96	5,525.40	8,612.21	13,344.05
.....	.....	.....	.....	.....	.....	.....	.....
3,146.71	1,351.31	633.65	953.68	226.75	3,134.46	2,187.96	6,574.50
2,019.86	1,378.93	771.07	1,158.15	714.49	2,021.37	2,647.62	5,427.27
262.58	359.43	418.48	342.52	106.93	387.71	569.63	915.68
.....	.....	.....	.....	.....	.....	.....	.....
957.54	206.27	558.67	291.87	203.81	328.41	388.37	498.95
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	4,815.01
11,524.72	11,813.65	7,641.96	4,734.35	3,717.94	11,397.35	14,405.79	32,098.46
3,163.84	178.26	1,792.83	402.58	2,270.48	1,130.38	2,065.31	.....
.....	.....	.....	.....	.....	2,000.00	6,000.00	5,000.00
402.14	204.26	.....	1,403.98	1,715.62	1,408.23	994.23	173.91
.....	.....	516.42	.....	.....	.....	.....	922.33
.....	.....	.....	.....	.....	.....	.....	.....
5,722.47	200.46	1,046.01	2,245.75	668.85	1,732.36	2,751.36	7,844.57
.....	.....	.....	.....	.....	.....	.....	.....
20,813.17	12,396.63	10,997.22	8,786.66	8,372.89	17,668.32	26,216.69	46,039.27
.....	.....	.....	.....	.....	.....	.....	.....
20,813.17	12,396.63	10,997.22	8,786.66	8,372.89	17,668.32	26,216.69	46,039.27
4,134.74	8,742.10	6,601.70	2,715.64	2,933.41	3,269.96	7,917.53	6,509.44
.....	1,004.02	.....	.....	.....	.....	452.00	523.31
.....	.....	.....	.....	.....	.....	.....	219.96
.....	70.00	.....	.....	.....	.....	.....	.....
4,134.74	9,816.12	6,601.70	2,715.64	2,933.41	3,269.96	8,369.53	7,252.71
5,722.47	200.46	1,046.01	2,245.75	668.85	1,732.36	2,751.36	7,844.57
2,939.11	662.55	512.74	1,238.34	1,168.71	2,711.60	2,999.10	5,765.84
.....	.....	.....	.....	.....	.....	.....	.....
8,661.58	863.01	1,558.75	3,484.09	1,837.56	4,443.96	5,750.46	13,610.41
3,565.26	258.12	1,536.65	684.36	1,066.59	1,030.04	1,582.47	9,728.81
.....	.....	.....	.....	.....	.....	.....	.....
4,451.59	1,459.38	1,300.12	1,902.57	2,535.33	8,924.36	10,514.23	15,447.34
8,016.85	1,717.50	2,836.77	2,586.93	3,601.92	9,954.40	12,096.70	25,176.15
20,813.17	12,396.63	10,997.22	8,786.66	8,372.89	17,668.32	26,216.69	46,039.27
27.4	80.4	66.3	41.5	38.7	20.5	35.6	18.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Drumbo P.V.	Dublin P.V.	Dundas	Dunnville	Dutton
Population			5,005	3,349	865
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and Buildings	.....	.....	9,235.96	3,379.78	.....
Substation equipment	.....	.....	13,396.22	16,981.83	.....
Distribution system, overhead	3,422.82	4,554.69	38,289.52	29,829.29	7,623.19
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,249.47	678.05	13,035.07	12,376.28	3,043.21
Meters	1,549.75	690.76	16,372.30	10,618.54	3,208.66
Street lighting equipment, regular	253.02	533.33	1,903.20	2,459.30	577.88
Street lighting equip., ornamental	.....	.....	.....	4,767.47	.....
Misc. construction expense	266.20	787.06	7,072.21	5,557.81	338.94
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	1,867.38	10,717.62	.....
Total plant	6,741.26	7,243.89	101,171.86	96,687.92	14,791.88
Bank and cash balance	227.16	2.56	3,393.64	.....	.....
Securities and investments	1,000.00	.....	18,500.00	10,000.00	7,000.00
Accounts receivable	304.89	252.94	2,324.66	4,749.54	330.78
Inventories	69.00	.....	1,607.58	1,240.36	23.65
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	1,592.61	1,421.68	41,442.04	12,456.89	5,007.30
Other assets	.....	.....	.....	.....	.....
Total assets	9,934.92	8,921.07	168,439.78	125,134.71	27,153.61
Deficit	.....	603.22	.....	.....	.....
Total	9,934.92	9,524.29	168,439.78	125,134.71	27,153.61
LIABILITIES					
Debenture balance	3,300.25	3,666.77	36,883.91	62,944.89	6,533.56
Accounts payable	.....	151.71	.....	2,422.75	.....
Bank overdraft	.....	.....	.....	3,699.30	388.35
Other liabilities	30.00	.....	998.00	.....	6.84
Total liabilities	3,330.25	3,818.48	37,881.91	69,066.94	6,928.75
RESERVES					
For equity in H.E.P.C. systems	1,592.61	1,421.68	41,442.04	12,456.89	5,007.30
For depreciation	1,903.08	1,750.90	29,931.83	18,047.11	4,389.60
Other reserves	.....	.....	.....	.....	.....
Total reserves	3,495.69	3,172.58	71,373.87	30,504.00	9,396.90
SURPLUS					
Debentures paid	1,199.75	2,533.23	16,116.09	12,555.11	1,873.93
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	1,909.23	.....	43,067.91	13,008.66	8,954.03
Total surplus	3,108.98	2,533.23	59,184.00	25,563.77	10,827.96
Total liabilities, reserves and surplus	9,934.92	9,524.29	168,439.78	125,134.71	27,153.61
Percentage of net debt to total assets	40.0	50.9	29.8	61.3	31.3

"A"—Continued

Hydro Municipalities as at December 31, 1927

Elmira	Elora	Embro	Erieau	Erie Beach	Essex	Etobicoke Twp.	Exeter
2,535	1,174	456	203	31	1,721	13,744	1,582
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,667.24	1,458.42	.....	.....	.....	.....	23,655.73	3,275.39
.....	.....	.....	.....	.....	.....	.....	.....
24,949.81	13,979.27	8,033.42	6,368.60	1,804.43	26,100.28	230,239.69	19,037.21
.....	.....	.....	.....	.....	.....	.....	.....
12,059.72	6,137.50	2,722.75	927.03	543.17	9,061.73	49,891.65	6,807.02
10,646.77	4,826.17	1,612.61	1,344.21	433.73	8,014.26	47,527.11	6,999.88
1,118.06	756.42	455.71	240.10	.....	1,047.25	10,296.76	902.69
.....	.....	.....	.....	.....	.....	.....	.....
3,267.20	1,188.78	69.45	379.90	375.03	1,288.32	6,529.96	2,348.29
.....	.....	.....	.....	.....	.....	.....	.....
2,168.08	1,425.47	429.25	.....	.....	.....	.....	.....
59,876.88	29,772.03	13,323.19	9,259.84	3,156.36	45,511.84	368,140.90	39,370.48
1,522.11	2,693.89	1,272.37	240.27	156.37	6,807.57	5,074.80	545.49
.....	.....	.....	.....	.....	.....	.....	.....
2,516.21	1,901.22	.....	618.93	376.59	4,089.02	8,742.58	9,629.81
997.10	687.57	21.91	.....	.....	.....	833.34	3,263.12
.....	.....	.....	.....	.....	.....	.....	.....
20,986.07	10,426.22	3,164.70	718.34	194.88	6,047.17	29,841.79	10,296.80
.....	.....	.....	.....	.....	.....	.....	.....
85,898.37	45,480.93	17,782.17	10,837.38	3,884.20	62,455.60	412,633.41	63,105.70
.....	.....	.....	.....	.....	.....	.....	.....
85,898.37	45,480.93	17,782.17	10,837.38	3,884.20	62,455.60	412,633.41	63,105.70
19,460.51	7,638.87	5,482.07	6,234.05	3,210.30	21,515.94	211,183.22	13,329.96
973.41	.....	2,683.98	235.57	.....	977.66	8,332.89	.....
.....	.....	.....	.....	.....	.....	.....	.....
358.00	.....	.....	260.00	.....	581.75	4,276.46	.....
20,791.92	7,638.87	8,166.05	6,729.62	3,210.30	23,075.35	223,792.57	13,329.96
20,986.07	10,426.22	3,164.70	718.34	194.88	6,047.17	29,841.79	10,296.80
12,041.55	7,564.34	2,773.88	479.00	109.00	4,826.52	41,268.70	7,426.56
.....	.....	.....	.....	.....	.....	.....	.....
33,027.62	17,990.56	5,938.58	1,197.34	303.88	10,873.69	71,110.49	17,723.36
5,539.49	5,361.13	2,017.93	649.08	89.70	984.06	29,816.78	6,670.09
.....	.....	.....	.....	.....	.....	.....	.....
26,539.34	14,490.37	1,659.61	2,261.34	280.32	27,522.50	87,913.57	25,382.29
32,078.83	19,851.50	3,677.54	2,910.42	370.02	28,506.56	117,730.35	32,052.38
85,898.37	45,480.93	17,782.17	10,837.38	3,884.20	62,455.60	412,633.41	63,105.70
32.0	21.7	55.8	66.5	87.0	40.9	58.4	25.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Fergus	Fonthill	Ford City	Forest	Galt
Population	1,780	701	12,689	1,421	12,604
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	.....	5,555.11	194,499.24
Substation equipment	.....	.....	.....	.....	150,457.66
Distribution system, overhead	23,846.23	8,675.37	125,197.89	18,483.49	203,646.61
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	8,503.87	4,391.00	51,377.07	6,030.54	50,519.18
Meters	9,429.43	4,009.20	50,666.65	7,851.53	59,993.39
Street lighting equipment, regular	1,489.90	775.67	22,396.52	2,313.20	11,115.53
Street lighting equip., ornamental	.....	.....	.....	.....	60,119.24
Misc. construction expense	957.54	3,686.08	2,646.61	844.20	23,975.96
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	2,546.59	.....	.....	11,084.87	.....
Total plant	46,773.56	21,537.32	252,284.74	52,162.94	754,326.81
Bank and cash balance	7,875.90	1,003.14	.....	10.00	.....
Securities and investments	500.00	.....	.....	2,500.00	.....
Accounts receivable	1,961.65	298.06	22,592.56	5,741.71	47,267.76
Inventories	434.80	.....	.....	3,767.43	15,457.96
Sinking fund on local debentures	.....	.....	.....	.....	129,907.43
Equity in Hydro systems	10,991.41	428.40	41,335.64	6,346.39	146,957.46
Other assets	.....	.....	.....	.....	2,274.45
Total assets	68,537.32	23,266.92	316,212.94	70,528.47	1,096,191.87
Deficit	.....	.....	.....	.....	.....
Total	68,537.32	23,266.92	316,212.94	70,528.47	1,096,191.87
LIABILITIES					
Debenture balance	32,440.78	19,426.41	98,944.19	16,959.88	463,833.36
Accounts payable	1,313.34	2,000.00	41,490.49	208.50	26,504.92
Bank overdraft	.....	.....	.....	228.22	45,386.62
Other liabilities	10.00	60.00	22,396.52	.....	.....
Total liabilities	33,764.12	21,486.41	162,831.20	17,396.60	535,724.90
RESERVES					
For equity in H.E.P.S. systems	10,991.41	428.40	41,335.64	6,346.39	146,957.46
For depreciation	8,082.56	346.00	18,587.13	8,434.70	129,022.27
Other reserves	.....	.....	.....	.....	658.30
Total reserves	19,073.97	774.40	59,922.77	14,781.09	276,638.03
SURPLUS					
Debentures paid	8,685.83	573.59	15,055.81	17,440.12	54,168.59
Local sinking fund	.....	.....	.....	.....	129,907.43
Additional operating surplus	7,013.40	432.52	78,403.16	20,910.66	99,752.92
Total surplus	15,699.23	1,006.11	93,458.97	38,350.78	283,828.94
Total liabilities, reserves and surplus	68,537.32	23,266.92	316,212.94	70,528.47	1,096,191.87
Percentage of net debt to total assets	58.6	94.0	59.2	27.1	49.5

"A"—Continued

Hydro Municipalities as at December 31, 1927

Georgetown 1,985	Glencoe 802	Goderich 4,211	Granton P.V.	Guelph 19,230	Hagersville 1,231	Hamilton 122,459	Harriston 1,247
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12.00	.....	12,957.48	.....	12,546.55	.....	848,989.57	600.00
.....	.....	9,795.28	.....	115,155.98	864.37	375,425.97	.....
23,408.80	17,689.02	51,510.60	3,600.17	158,990.71	17,281.69	718,956.03	17,577.24
.....	.....	.....	.....	.....	.....	362,713.14	.....
13,182.11	3,761.79	16,373.79	793.55	63,251.55	7,192.37	394,239.14	5,275.21
10,304.32	3,932.53	14,302.81	1,145.94	74,603.49	6,498.08	410,080.43	4,959.59
1,339.42	1,647.22	4,706.10	157.77	28,800.65	659.82	117,901.85	1,141.41
.....	.....	.....	.....	.....	.....	.....	.....
2,342.54	3,256.70	4,879.86	113.08	16,146.87	775.97	176,898.43	790.43
.....	.....	.....	.....	.....	.....	.....	.....
2,209.80	.....	14,622.15	.....	.....	.....	32,353.02	1,001.43
52,798.99	30,287.26	129,148.07	5,810.51	469,495.80	33,272.30	3,437,557.58	31,345.31
6,629.25	3,731.09	15,518.57	1,226.86	17,139.17	1,434.46	600.00	.....
15,816.33	.....	500.00	2,000.00	.....	2,000.00	.....	.....
3,810.47	1,309.76	3,311.37	1,137.34	44,346.40	2,973.42	275,395.26	1,454.86
875.12	.....	1,376.68	.....	29,955.47	66.00	74,455.18	.....
.....	.....	.....	.....	30,510.31	.....	391,201.26	.....
25,767.03	4,031.99	32,887.83	2,282.14	169,920.47	21,404.25	725,621.54	8,504.02
.....	.....	.....	.....	.....	.....	2,761.32	.....
105,697.19	39,360.10	182,742.52	12,456.85	761,367.62	61,150.43	4,907,592.14	41,304.19
.....	.....	.....	.....	.....	.....	.....	.....
105,697.19	39,360.10	182,742.52	12,456.85	761,367.62	61,150.43	4,907,592.14	41,304.19
14,683.62	13,732.38	43,437.60	2,753.16	77,040.39	5,158.69	2,458,530.17	10,160.18
1,517.33	1,200.00	3,559.18	500.00	28,647.03	.....	218,063.74	964.80
.....	.....	.....	.....	.....	.....	100,054.95	3,440.01
.....	.....	1,307.14	.....	1,207.38	.....	111,029.86	.....
16,200.95	14,932.38	48,303.92	3,253.16	106,894.80	5,158.69	2,887,678.72	14,564.99
25,767.03	4,031.99	32,887.83	2,282.14	169,920.47	21,404.25	725,621.54	8,504.02
14,812.90	3,244.06	36,630.14	1,554.23	77,799.91	3,234.49	532,160.68	2,623.67
.....	.....	.....	.....	161.80	.....	.....	.....
40,579.93	7,276.05	69,517.97	3,836.37	247,882.18	24,638.74	1,257,782.22	11,127.69
5,316.38	6,380.50	32,650.45	746.84	67,959.60	2,841.31	261,469.83	8,157.85
.....	.....	.....	.....	30,510.31	.....	391,201.26	.....
43,599.93	10,771.17	32,270.18	4,620.48	308,120.73	28,511.69	109,460.11	7,453.66
48,916.31	17,151.67	64,920.63	5,367.32	406,590.64	31,353.00	762,131.20	15,611.51
105,697.19	39,360.10	182,742.52	12,456.85	761,367.62	61,150.43	4,907,592.14	41,304.19
20.2	42.2	32.2	31.9	13.6	12.9	65.8	44.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Harrow P.V.	Hensall	Hespeler	Highgate	Humberstone
Population		786	2,804	399	2,144
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	3,740.39	.....	.....
Substation equipment	.....	.....	20,074.54	.....	.....
Distribution system, overhead	10,701.43	8,370.11	25,454.58	4,992.99	21,602.97
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	5,296.10	2,521.47	14,796.96	2,349.25	6,669.35
Meters	4,499.93	2,938.50	10,990.49	1,634.80	6,140.69
Street lighting equipment, regular	453.38	436.67	3,596.79	343.16	764.86
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	95.42	462.25	795.25	514.48	2,737.85
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	400.00	2,095.25	.....	.....
Total plant	21,046.26	15,129.00	81,544.25	9,834.68	37,915.72
Bank and cash balance	3,086.47	8,642.95	1,835.15	523.68	1,028.17
Securities and investments	.....	.....	5,000.00	2,000.00	.....
Accounts receivable	3,867.50	2,101.89	3,472.29	751.25	1,197.53
Inventories	.....	.....	.....	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	3,029.47	3,402.00	22,047.71	2,786.24	2,640.26
Other assets	.....	.....	.....	.....	.....
Total assets	31,029.70	29,275.84	113,899.40	15,895.85	42,781.68
Deficit	.....	.....	.....	.....	.....
Total	31,029.70	29,275.84	113,899.40	15,895.85	42,781.68
LIABILITIES					
Debenture balance	10,961.51	9,447.91	24,023.41	3,929.19	28,800.00
Accounts payable	1,509.29	688.05	91.67	.....	10.00
Bank overdraft	.....	.....	.....	.....	1,459.77
Other liabilities	145.00	.....	.....	.....	990.00
Total liabilities	12,615.80	10,135.96	24,115.08	3,929.19	31,259.77
RESERVES					
For equity in H.E.P.C. systems	3,029.47	3,402.00	22,047.71	2,786.24	2,640.26
For depreciation	1,531.25	4,304.65	10,211.33	2,026.99	1,399.86
Other reserves	.....	.....	.....	.....	.....
Total reserves	4,560.72	7,706.65	32,259.04	4,813.23	4,040.12
SURPLUS					
Debentures paid	1,038.49	2,552.09	28,547.10	1,070.81	3,200.00
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	12,814.69	8,881.14	28,978.18	6,082.62	4,281.79
Total surplus	13,853.18	11,433.23	57,525.28	7,153.43	7,481.79
Total liabilities, reserves and surplus	31,029.70	29,275.84	113,899.40	15,895.85	42,781.68
Percentage of net debt to total assets	45.0	39.1	26.2	29.9	77.8

"A"—Continued

Hydro Municipalities as at December 31, 1926

Ingersoll 5,047	Jarvis 472	Kingsville 2,193	Kitchener 25,592	Lambeth P.V.	La Salle 583	Leamington 4,576	Listowel 2,515
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
15,064.45	.....	6,543.02	51,826.54	.....	.....	6,679.91	1,283.96
25,374.39	.....	.....	182,192.39	.....	.....	5,185.41	.....
47,821.71	8,294.20	23,564.28	253,581.94	5,904.23	12,962.83	37,083.87	32,901.85
.....	.....	.....	34,235.22	.....	.....	5,152.99	.....
21,812.20	2,311.66	11,028.57	134,098.31	1,162.07	3,902.60	15,429.58	14,146.27
23,389.33	1,693.67	10,850.04	138,466.62	1,552.97	3,131.07	18,326.25	13,271.11
2,887.87	667.93	1,162.55	48,161.61	167.40	488.96	1,124.56	1,561.83
4,597.59	.....	19,200.00	84,072.20	.....	.....	15,178.49	5,772.22
10,701.01	536.27	Cr. 311.03	14,283.60	300.71	1,085.90	1,223.36	1,671.71
.....	.....	.....	.....	.....	.....	.....	.....
19,838.83	.....	.....	52,398.91	.....	.....	.....	4,745.30
171,487.38	13,503.73	72,037.43	993,317.34	9,087.38	21,571.36	105,384.42	75,354.25
.....	1,317.46	1,362.32	6,087.24	207.53	735.50	116.55	3,734.20
15,143.52	.....	17,000.00	11,072.00	.....	.....	13,000.00	.....
6,426.50	1,250.36	4,697.39	60,258.16	1,730.22	2,115.76	11,202.01	430.36
2,188.28	.....	.....	20,565.09	.....	.....	.....	89.58
42,182.96	.....	.....	.....	.....	.....	.....	.....
48,451.08	2,657.88	8,366.82	312,279.19	2,213.89	1,038.72	11,505.16	17,044.48
.....	.....	.....	1,392.87	.....	577.38	.....	.....
285,879.72	18,729.43	103,463.96	1,404,971.89	13,239.02	26,038.72	141,208.14	96,652.87
.....	.....	.....	.....	.....	.....	.....	.....
285,879.72	18,729.43	103,463.96	1,404,971.89	13,239.02	26,038.72	141,208.14	96,652.87
79,800.00	9,192.43	32,150.99	319,084.20	3,140.70	14,632.00	43,845.85	19,605.72
.....	.....	5,037.78	33,389.24	346.87	4.00	2,613.10	595.18
7,150.83	.....	.....	.....	.....	.....	.....	.....
4,597.59	.....	20,373.28	93,906.49	.....	231.01	16,760.77	5,797.30
91,548.42	9,192.43	57,562.05	446,379.93	3,487.57	14,867.01	63,219.72	25,998.20
48,451.08	2,657.88	8,366.82	312,279.19	2,213.89	1,038.72	11,505.16	17,044.48
19,652.77	784.00	7,901.69	153,802.74	1,643.76	1,441.29	10,727.98	14,736.88
.....	.....	.....	12,281.03	.....	.....	.....	.....
68,103.85	3,441.88	16,268.51	478,362.96	3,857.65	2,480.01	22,233.14	31,781.36
.....	1,307.57	1,349.01	193,065.80	859.30	868.00	4,154.15	23,584.17
42,182.96	.....	.....	.....	.....	.....	.....	.....
84,044.49	4,787.55	28,284.39	287,163.20	5,034.50	7,823.70	51,601.13	15,289.14
126,227.45	6,095.12	29,633.40	480,229.00	5,893.80	8,691.70	55,755.28	38,873.31
285,879.72	18,729.43	103,463.96	1,404,971.89	13,239.02	26,038.72	141,208.14	96,652.87
25.2	57.1	60.5	40.8	31.6	59.4	48.7	32.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	London	London Twp.	Lucan	Lynden P.V.	Markham
Population	64,274	7,431	538		945
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	365,497.28	.....	.....	241.18	.....
Substation equipment	726,509.96	.....	.....	.....	.....
Distribution system, overhead	650,539.24	13,675.61	8,452.58	3,573.95	10,359.23
Distribution system, underground	162,242.92	.....	.....	.....	.....
Line transformers	164,425.52	3,735.63	3,192.74	1,725.16	3,839.84
Meters	266,229.79	2,704.97	2,798.65	1,344.04	4,092.56
Street lighting equipment, regular	40,671.23	519.11	372.54	205.24	531.09
Street lighting equip., ornamental	12,587.41	.....	.....	.....	.....
Misc. construction expense	104,217.49	441.31	445.77	193.57	1,318.86
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	1,733.80	2,860.45	.....	.....
Total plant	2,492,920.84	22,810.43	18,122.73	7,283.14	20,141.58
Bank and cash balance	269,599.66	3,455.82	1,244.90	.....	3,189.14
Securities and investments	.....	.....	7,000.00	2,000.00	1,920.87
Accounts receivable	230,327.47	3,195.08	784.22	709.79	1,017.38
Inventories	58,973.37	.....	.....	.....	.....
Sinking fund on local debentures	284,989.57	.....	.....	.....	.....
Equity in Hydro systems	575,382.41	1,663.00	6,004.98	4,959.84	3,471.82
Other assets	.....	.....	.....	.....	.....
Total assets	3,912,193.32	31,124.33	33,156.83	14,952.77	29,740.79
Deficit	.....	.....	.....	.....	.....
Total	3,912,193.32	31,124.33	33,156.83	14,952.77	29,740.79
LIABILITIES					
Debenture balance	1,353,254.95	16,062.64	6,611.92	3,478.54	6,497.96
Accounts payable	313,254.48	2,181.35	.....	.....	651.94
Bank overdraft	.....	.....	.....	21.80	.....
Other liabilities	407.86	.....	600.17	.....	.....
Total liabilities	1,666,917.29	18,243.99	7,212.09	3,500.34	7,149.90
RESERVES					
For equity in H.E.P.C. systems	575,382.41	1,663.00	6,004.98	4,959.84	3,471.82
For depreciation	577,641.90	960.55	4,200.17	1,995.70	2,662.36
Other reserves	37,300.52	.....	.....	.....	.....
Total reserves	1,190,324.83	2,623.55	10,205.15	6,955.54	6,134.18
SURPLUS					
Debentures paid	228,645.05	2,937.36	4,601.70	1,016.46	5,060.87
Local sinking fund	284,989.57	.....	.....	.....	.....
Additional operating surplus	541,316.58	7,319.43	11,137.89	3,480.43	11,395.84
Total surplus	1,054,951.20	10,256.79	15,739.59	4,496.89	16,456.71
Total liabilities, reserves and surplus	3,912,193.32	31,124.33	33,156.83	14,952.77	29,740.79
Percentage of net debt to total assets	45.2	61.9	26.5	35.0	27.2

"A"—Continued

Hydro Municipalities as at December 31, 1927

Merlin P.V.	Merriton 2,601	Milton 1,963	Milverton 992	Mimico 5,244	Mitchell 1,720	Moorefield P.V.	Mount Brydges P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	350.00	.....	237.20	13,527.49	12,649.72	.....	.....
.....	22,700.61	11,868.94	.....	24,558.94	12,769.10	.....	.....
7,779.71	17,416.26	17,845.89	10,734.81	53,475.64	23,524.24	2,979.03	4,215.29
.....	.....	.....	.....	.....	.....	.....	.....
2,145.28	3,669.39	9,330.82	6,535.61	20,447.48	7,275.18	990.72	1,249.69
1,960.38	7,604.50	9,950.17	4,450.84	23,363.54	9,950.40	1,043.52	1,866.89
555.64	1,572.88	986.67	669.56	3,742.73	2,311.15	295.88	269.51
.....	.....	.....	.....	.....	.....	.....	.....
455.36	2,484.39	3,647.17	940.53	3,649.58	963.74	348.35	143.82
.....	.....	.....	.....	.....	1,500.00	.....	.....
241.85	.....	4,065.85	.....	.....	.....	.....	.....
13,138.22	55,798.03	57,695.51	23,568.55	142,765.40	70,943.53	5,657.50	7,745.20
2,007.01	.....	97.06	642.94	10,033.99	11,343.81	1,674.20	657.02
6,000.00	.....	.....	5,000.00	.....	.....	.....	5,000.00
1,991.18	3,313.17	12,652.03	1,294.40	3,747.50	2,568.57	562.39	1,066.13
.....	.....	5,119.14	17.48	47.15	795.48	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
2,868.50	11,425.76	33,688.22	13,867.31	29,980.27	11,901.23	1,506.31	1,560.09
.....	.....	.....	.....	2,150.62	105.05	.....	.....
26,004.91	70,536.96	109,251.96	44,390.68	188,724.93	97,657.67	9,400.40	16,028.44
.....	.....	.....	.....	.....	.....	.....	.....
26,004.91	70,536.96	109,251.96	44,390.68	188,724.93	97,657.67	9,400.40	16,028.44
11,249.59	764.21	14,926.32	5,034.88	89,070.33	2,771.91	2,863.10	3,154.65
1,176.99	1,013.97	4,761.23	39.00	.....	1,103.58	.....	10.00
.....	13,887.32	.....	.....	.....	.....	.....	.....
.....	.....	542.26	.....	2,020.00	.....	.....	.....
12,426.58	15,665.50	20,229.81	5,073.88	91,090.33	3,875.49	2,863.10	3,164.65
2,868.50	11,425.76	33,688.22	13,867.31	29,980.27	11,901.23	1,506.31	1,560.09
781.30	5,398.83	10,871.99	3,075.49	27,485.29	21,978.25	1,102.84	2,100.93
.....	.....	194.37	.....	.....	.....	.....	.....
3,649.80	16,824.59	44,754.58	16,942.80	57,465.56	33,879.48	2,609.15	3,661.02
2,114.62	4,422.00	17,786.66	4,465.12	17,929.67	19,523.31	1,636.90	1,065.35
.....	.....	.....	.....	.....	.....	.....	.....
7,813.91	33,624.87	26,480.91	17,908.88	22,239.37	40,379.39	2,291.25	8,137.42
9,928.53	38,046.87	44,267.57	22,374.00	40,169.04	59,902.70	3,928.15	9,202.77
26,004.91	70,536.96	109,251.96	44,390.68	188,724.93	97,657.67	9,400.40	16,028.44
53.7	26.5	26.7	16.6	57.3	4.5	36.2	21.8

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Newbury	New Hamburg	New Toronto	Niagara Falls	Niagara-on-the-lake
Population	285	1,376	4,219	17,380	1,613
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	2,471.21	39,081.06	112,346.19	2,286.35
Substation equipment	.....	1,167.55	.....	145,313.85	6,822.45
Distribution system, overhead	6,084.85	19,965.34	54,237.97	168,167.33	19,178.99
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,036.62	5,890.56	16,477.60	125,571.30	4,431.72
Meters	899.59	6,949.67	19,748.06	97,868.62	5,478.91
Street lighting equipment, regular	817.42	1,547.70	5,563.10	22,008.24	1,121.10
Street lighting equip., ornamental	.....	.....	.....	84,840.70	.....
Misc. construction expense	485.13	1,347.99	5,133.61	17,108.68	1,259.37
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	348.22	5,242.56	.....	12,707.30	.....
Total plant	9,671.83	44,582.58	140,241.40	785,932.21	40,578.89
Bank and cash balance	1,519.74	449.49	2,290.66	29,124.12	50.00
Securities and investments	.....	5,000.00	.....	.....	.....
Accounts receivable	436.51	1,089.58	7,922.55	6,931.28	563.55
Inventories	15.62	1,582.54	1,303.23	1,036.70	1,994.22
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	944.05	14,018.90	101,778.40	138,567.84	6,325.10
Other assets	.....	.....	.....	4,548.44	.....
Total assets	12,587.75	66,723.09	253,536.24	966,140.59	49,511.76
Deficit	.....	.....	.....	.....	.....
Total	12,587.75	66,723.09	253,536.24	966,140.59	49,511.76
LIABILITIES					
Debenture balance	7,100.00	10,999.22	5,640.11	411,209.81	6,738.46
Accounts payable	.....	4,140.12	.91	19,388.80	9,233.14
Bank overdraft	.....	.....	1,701.47	.....	298.49
Other liabilities	.....	14.00	2,127.83	9,833.23	.....
Total liabilities	7,100.00	15,153.34	9,470.32	440,431.84	16,270.09
RESERVES					
For equity in H.E.P.C. systems	944.05	14,018.90	101,778.40	138,567.84	6,325.10
For depreciation	1,090.49	8,811.34	20,382.64	78,421.91	3,088.72
Other reserves	.....	.....	.....	2,910.09	.....
Total reserves	2,034.54	22,830.24	122,161.04	219,899.84	9,413.82
SURPLUS					
Debentures paid	2,654.39	6,729.86	2,359.89	204,033.19	9,935.08
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	798.82	22,009.65	119,544.99	101,775.72	13,892.77
Total surplus	3,453.21	28,739.51	121,904.88	305,808.91	23,827.85
Total liabilities, reserves and surplus	12,587.75	66,723.09	253,536.24	966,140.59	49,511.76
Percentage of net debt to total assets	60.9	28.7	6.2	53.2	37.6

"A"—Continued

Hydro Municipalities as at December 31, 1926

Norwich 1,328	Oil Springs 449	Otterville P.V.	Palmerston 1,573	Paris 4,234	Parkhill 1,091	Petrolia 2,638	Plattsville P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,060.36	1,042.00	.....	.....	7,626.26	.....	900.00	.....
.....	.....	.....	691.88	18,554.29	.....	2,403.55	.....
9,404.28	11,774.56	5,159.04	21,609.65	44,762.96	15,271.12	33,879.75	3,247.41
.....	.....	.....	.....	.....	.....	.....	.....
4,497.24	5,630.98	2,670.00	5,805.91	16,376.22	3,579.34	25,646.45	1,205.47
5,882.31	3,206.49	1,854.11	6,519.51	17,639.44	3,745.88	13,653.73	1,662.58
1,100.17	305.72	378.37	1,170.31	3,527.00	846.78	985.28	147.15
2,861.69	.....	.....	.....	9,636.85	.....	3,864.07	.....
2,347.95	4,145.40	142.00	1,761.66	37.60	1,382.77	6,707.73	535.92
.....	.....	.....	.....	.....	.....	.....	.....
3,509.82	.....	.....	4,018.71	16,684.76	.....	3,389.94	.....
33,663.82	26,105.15	10,203.52	41,577.63	134,845.38	24,825.89	91,430.50	6,798.53
3,793.48	645.09	3,258.49	.....	5,192.76	240.85	361.54	.....
3,000.00	.....	.....	3,000.00	15,000.00	.....	8,400.00	.....
3,658.72	3,850.20	1,581.46	2,229.98	1,299.70	1,156.49	5,850.55	507.55
2,067.52	938.59	.....	71.74	.....	.....	2,826.45	.....
.....	.....	.....	.....	17,267.17	.....	.....	.....
11,226.37	7,328.37	2,004.42	9,917.23	31,277.70	3,892.93	27,280.46	2,543.59
.....	.....	.....	.....	.....	.....	.....	.....
57,409.91	38,867.40	17,047.89	56,796.58	204,882.71	30,116.16	136,149.50	9,849.67
.....	.....	.....	.....	.....	.....	.....	451.12
57,409.91	38,867.40	17,047.89	56,796.58	204,882.71	30,116.16	136,149.50	10,300.79
9,037.90	10,825.83	2,436.28	8,707.24	38,132.00	11,031.56	35,977.57	3,840.80
2,000.00	2,348.25	392.33	.....	2,628.44	.....	518.98	447.85
1,000.00	.....	.....	532.30	.....	.....	5,382.28	144.82
.....	.....	.....	719.77	.....	.....	.....	.....
12,037.90	13,174.08	2,828.61	9,959.31	40,760.44	11,031.56	41,878.83	4,433.47
11,226.37	7,328.37	2,004.42	9,917.23	31,277.70	3,892.93	27,280.46	2,543.59
1,551.18	3,884.53	2,002.05	4,561.74	42,087.23	2,677.93	17,969.33	1,927.53
.....	.....	.....	.....	.....	.....	.....	.....
12,777.55	11,212.90	4,006.47	14,478.97	73,364.93	6,570.86	45,249.79	4,471.12
4,718.10	5,895.48	2,063.72	18,292.76	53,868.00	3,598.46	14,022.43	1,396.20
.....	.....	.....	.....	17,267.17	.....	.....	.....
27,876.36	8,584.94	8,149.09	14,065.54	19,622.17	8,915.28	34,998.45	.....
32,594.46	14,480.42	10,212.81	32,358.30	90,757.34	12,513.74	49,020.88	1,396.20
57,409.91	38,867.40	17,047.89	56,796.58	204,882.71	30,116.16	136,149.50	10,300.79
26.0	41.7	18.7	21.2	15.0	42.0	38.4	60.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Point Edward	Port Colborne	Port Credit	Port Dalhousie	Port Dover
Population	1,442	5,352	1,247	1,563	1,642
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	22,120.24	675.00	.....	248.75
Substation equipment	.....	.....	.....	.....	.....
Distribution system, overhead	16,318.08	61,637.03	18,641.54	12,514.39	23,925.02
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	5,739.39	20,488.93	5,575.34	7,049.78	8,400.23
Meters	4,592.01	17,891.98	6,520.96	7,756.14	4,951.52
Street lighting equipment, regular	711.77	3,454.00	3,448.93	627.45	1,793.84
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	503.14	5,584.80	641.31	2,144.27	2,557.91
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	9,929.60	.....	6,018.38	.....
Total plant	27,864.39	141,106.58	35,503.08	36,110.41	41,877.27
Bank and cash balance	5,461.57	768.79	1,316.73	2,921.07	2,565.44
Securities and investments	.....	.....	.....	3,000.00	.....
Accounts receivable	2,478.52	2,976.59	866.87	874.62	403.31
Inventories	.....	7,274.61	.....	.....	.....
Sinking fund on localdebentures	.....	.....	.....	1,182.74	.....
Equity in Hydro systems	11,712.37	17,876.60	7,526.46	6,156.73	4,156.09
Other assets	.....	.....	.....	465.58	.....
Total assets	47,516.85	170,003.17	45,213.14	50,711.15	49,002.11
Deficit	.....	.....	.....	.....	.....
Total	47,516.85	170,003.17	45,213.14	50,711.15	49,002.11
LIABILITIES					
Debenture balance	12,924.50	102,043.94	5,064.65	15,716.61	21,510.17
Accounts payable	917.20	2,482.06	4,675.12	.....	1,061.34
Bank overdraft	.....	6,283.08	.....	.....	.....
Other liabilities	.....	695.00	.....	.....	134.00
Total liabilities	13,841.70	111,504.08	9,739.77	15,716.61	22,705.51
RESERVES					
For equity in H.E.P.C. systems	11,712.37	17,876.60	7,526.46	6,156.73	4,156.09
For depreciation	5,400.45	10,845.71	7,675.31	3,694.97	4,252.00
Other reserves	.....	.....	.....	.....	.....
Total reserves	17,112.82	28,722.31	15,201.77	9,851.70	8,408.09
SURPLUS					
Debentures paid	4,075.50	18,956.06	3,435.35	6,783.39	7,489.83
Local sinking fund	.....	.....	.....	1,182.74	.....
Additional operating surplus	12,486.83	10,820.72	16,836.25	17,176.71	10,398.68
Total surplus	16,562.33	29,776.78	20,271.60	25,142.84	17,888.51
Total liabilities, reserves and surplus	47,516.85	170,003.17	45,213.14	50,711.15	49,002.11
Percentage of net debt to total assets	38.6	73.2	25.8	33.5	50.6

"A"—Continued

Hydro Municipalities as at December 31, 1926

Port Rowan 696	Port Stanley 692	Preston 5,649	Princeton P.V.	Queenston P.V.	Richmond Hill 1,211	Ridgetown 1,942	Riverside 3,612
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	1,505.38	.....	.....	.....	.....	.....	.....
.....	.....	37,923.27	.....	.....	600.00	1,024.24	.....
8,661.69	16,089.73	82,768.37	3,025.06	6,695.04	7,257.29	18,480.57	77,643.83
.....	.....	.....	.....	.....	.....	.....	.....
1,676.62	6,367.63	39,482.40	962.62	1,107.85	6,239.89	8,018.46	22,440.58
1,118.95	5,359.86	32,565.85	995.93	1,449.94	3,814.69	8,112.91	19,149.22
888.04	1,035.45	4,315.32	116.30	416.29	1,298.96	1,726.95	.....
.....	.....	.....	.....	.....	.....	1,431.73	3,393.58
681.53	5,811.67	7,009.45	64.35	1,948.71	.....	1,685.42	4,571.45
.....	.....	.....	.....	.....	.....	.....	.....
.....	577.51	32,126.75	.....	.....	.....	5,088.46	.....
13,026.83	36,747.23	236,191.41	5,164.26	11,617.83	19,210.83	45,568.74	127,198.66
1,116.64	2,590.25	.....	506.43	117.74	2,597.63	226.40	.....
.....	3,000.00	.....	.....	.....	.....	12,500.00	.....
48.36	916.30	15,706.53	1,370.25	72.62	1,349.51	3,997.30	9,819.11
.....	.....	.....	7.10	.....	.....	1,618.90	.....
.....	.....	.....	.....	.....	.....	.....	.....
401.69	10,647.18	73,619.93	1,618.81	1,568.43	1,945.85	10,277.96	11,931.32
.....	.....	.....	.....	.....	.....	.....	.....
14,593.52	53,900.96	325,517.87	8,666.85	13,376.62	25,103.82	74,189.30	148,949.09
1,570.68	.....	.....	.....	.....	.....	.....	.....
16,164.20	53,900.96	325,517.87	8,666.85	13,376.62	25,103.82	74,189.30	148,949.09
11,000.00	11,782.77	62,354.64	2,603.56	6,482.98	7,693.36	8,248.75	73,498.84
4,762.51	497.62	6,792.12	.....	1,530.83	67.39	.....	9,167.25
.....	.....	84.01	.....	.....	.....	.....	.....
.....	.....	1,805.23	.....	.....	.....	1,431.73	3,393.58
15,762.51	12,280.39	71,036.00	2,603.56	8,013.81	7,760.75	9,680.48	86,059.67
401.69	10,647.18	73,619.93	1,618.81	1,568.43	1,945.85	10,277.96	11,931.32
.....	6,527.26	60,071.67	1,517.51	1,190.00	987.78	8,912.89	9,072.41
.....	.....	.....	.....	.....	.....	.....	.....
401.69	17,174.44	133,691.60	3,136.32	2,758.43	2,933.63	19,190.85	21,003.73
.....	7,167.23	70,445.36	946.44	1,517.02	4,506.64	11,207.24	9,001.16
.....	.....	.....	.....	.....	.....	.....	.....
.....	17,278.90	50,344.91	1,980.53	1,087.36	9,902.80	34,110.73	32,884.53
.....	24,446.13	120,790.27	2,926.97	2,604.38	14,409.44	45,317.97	41,885.69
16,164.20	53,900.96	325,517.87	8,666.85	13,376.62	25,103.82	74,189.30	148,949.09
111.1	28.3	28.2	36.9	67.8	33.5	15.1	62.8

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Rockwood P.V.	Rodney	St. Catharines	St. Clair Beach	St. George P.V.
Population		691	22,043	130	
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	79.00	.....	37,167.09	.....	.....
Substation equipment	.....	.....	66,165.82	.....	.....
Distribution system, overhead	6,442.13	8,632.22	160,883.62	6,368.38	4,339.03
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,370.61	1,950.74	80,579.10	1,805.48	1,354.51
Meters	2,030.50	3,123.30	67,225.41	1,105.76	2,420.64
Street lighting equipment, regular	519.98	556.77	15,329.32	.....	228.77
Street lighting equip., ornamental	.....	.....	27,448.87	.....	.....
Misc. construction expense	362.05	792.65	39,058.51	.....	374.18
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	700.00	8,241.00	.....	.....
Total plant	10,804.27	15,755.68	502,098.74	9,279.62	8,717.13
Bank and cash balance	271.25	506.80	2,370.01	.....	172.26
Securities and investments	.....	7,000.00	23,900.00	.....	7,000.00
Accounts receivable	718.91	160.31	26,380.16	3,737.41	381.98
Inventories	141.00	.....	736.01	.....	100.00
Sinking fund on local debentures	.....	.....	44,887.11	.....	.....
Equity in Hydro systems	3,013.47	2,785.95	116,752.67	1,218.54	3,254.02
Other assets	.....	.....	.....	.....	.....
Total assets	14,948.90	26,208.74	717,124.70	14,235.57	19,625.39
Deficit	.....	.....	.....	.....	.....
Total	14,948.90	26,208.74	717,124.70	14,235.57	19,625.59
LIABILITIES					
Debenture balance	.....	6,788.80	186,700.88	5,365.82	4,485.24
Accounts payable	400.00	.....	26,290.81	206.50	.....
Bank overdraft	.....	.....	279.30	.....	.....
Other liabilities	.....	.....	27,448.87	.....	.....
Total liabilities	400.00	6,788.80	240,719.86	5,572.32	4,485.24
RESERVES					
For equity in H.E.P.C. systems	3,013.47	2,785.95	116,752.67	1,218.54	3,254.02
For depreciation	3,265.78	1,984.68	107,184.79	830.00	2,271.75
Other reserves	.....	.....	8,324.98	.....	.....
Total reserves	6,279.25	4,770.63	232,262.44	2,048.54	5,525.77
SURPLUS					
Debentures paid	2,000.00	1,711.20	45,322.03	975.63	1,514.76
Local sinking fund	.....	.....	44,887.11	.....	.....
Additional operating surplus	6,269.65	12,938.11	153,933.26	5,639.08	8,099.62
Total surplus	8,269.65	14,649.31	244,142.40	6,614.71	9,614.38
Total liabilities, reserves and surplus	14,948.90	26,208.74	717,124.70	14,235.57	19,625.39
Percentage of net debt to total assets	3.3	28.9	35.2	42.8	27.3

"A"—Continued

Hydro Municipalities as at December 31, 1927

St. Jacobs P.V.	St. Marys 4,037	St. Thomas 16,746	Sandwich 8,077	Sarnia 16,058	Scarboro' Twp. 15,325	Seaforth 1,808	Simcoe 4,354
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	3,000.00	43,164.23	364.48	89,571.26	.....	1,251.57	2,545.38
.....	24,008.87	104,723.14	2,675.50	136,818.15	.....	5,999.16	18,900.07
5,558.40	42,072.94	102,494.28	89,317.24	173,516.93	190,351.52	29,066.48	33,694.82
.....	.....	26,911.24	.....	.....	.....	.....	.....
2,223.59	16,123.46	46,198.66	34,036.44	84,945.53	38,055.02	7,029.74	16,419.86
2,083.03	19,498.32	58,697.95	43,187.20	66,031.52	49,322.21	8,661.01	14,131.19
311.60	3,317.21	13,587.90	9,351.95	7,663.39	11,589.77	1,679.55	4,513.67
.....	.....	7,538.63	40,105.70	7,482.11	.....	.....	2,527.16
452.22	3,694.53	7,304.17	8,480.11	21,176.92	Cr.1083.12	579.33	4,815.90
.....	.....	.....	.....	.....	.....	.....	.....
.....	20,696.85	4,046.00	4,448.96	55,819.00	.....	.....	927.92
10,628.84	132,412.18	414,666.20	231,967.58	643,024.81	288,235.40	54,266.84	98,475.97
1,766.38	660.76	5,131.86	17,680.07	.....	271.97	1,516.69	3,216.88
2,000.00	.....	53,206.81	.....	.....	.....	10,000.00	.....
424.41	7,300.45	13,238.81	18,051.63	47,750.53	6,855.43	2,280.49	6,000.00
10.00	3,673.17	1,815.95	65.10	3,938.61	.....	3,731.59	579.67
.....	11,882.49	.....	.....	.....	.....	9,728.22	.....
2,998.76	36,610.46	122,619.61	38,478.26	135,394.75	25,960.41	20,709.03	17,567.25
250.00	.....	.....	.....	.....	.....	.....	.....
18,078.39	192,539.51	610,679.24	306,242.64	830,108.70	321,323.21	102,232.86	125,839.77
.....	.....	.....	.....	.....	.....	.....	.....
18,078.39	192,539.51	610,679.24	306,242.64	830,108.70	321,323.21	102,232.86	125,839.77
3,784.23	41,414.12	59,830.25	131,623.86	236,185.71	157,816.33	25,000.00	57,281.77
.....	.....	16,691.01	8,399.73	19,346.40	7,721.09	235.86	5,990.08
.....	.....	.....	.....	2,552.04	1,154.32	.....	.....
250.00	.....	4,145.75	47,892.51	10,975.17	14,140.72	.....	3,500.00
4,034.23	41,414.12	80,667.01	187,916.10	269,059.32	180,832.46	25,235.86	66,771.85
2,998.76	36,610.46	122,619.61	38,478.26	135,394.75	25,960.41	20,709.03	17,567.25
1,359.25	35,368.52	70,432.35	17,303.12	98,204.58	29,588.11	16,971.57	9,293.05
.....	.....	.....	.....	.....	.....	.....	.....
4,358.01	71,978.98	193,051.96	55,781.38	233,599.33	55,548.52	37,680.60	26,860.30
2,215.77	47,832.90	83,254.18	13,949.17	101,814.29	32,751.94	.....	6,153.13
.....	11,882.49	.....	.....	.....	.....	9,728.22	.....
7,470.38	19,431.02	253,706.09	48,595.99	225,635.76	52,190.29	29,588.18	26,054.49
9,686.15	79,146.41	336,960.27	62,545.16	327,450.05	84,942.23	39,316.40	32,207.62
18,078.39	192,539.51	610,679.24	306,242.64	830,108.70	321,323.21	102,232.86	125,839.77
26.7	20.5	16.5	70.2	38.7	61.2	21.5	61.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Springfield	Stamford Twp.	Stouffville	Stratford	Strathroy
Population	405	5,767	1,067	19,064	2,556
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	5,912.06	.....	116,940.05	6,923.79
Substation equipment	.....	14,962.18	.....	114,442.24	14,855.37
Distribution system, overhead	7,752.80	72,472.80	10,010.15	149,327.21	32,440.36
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	2,169.19	27,471.82	2,896.22	80,160.71	17,369.06
Meters	1,552.39	20,273.89	2,465.33	78,390.74	12,741.79
Street lighting equipment, regular	314.31	5,679.67	851.09	4,758.25	1,605.22
Street lighting equip., ornamental	.....	.....	.....	14,749.33	.....
Misc. construction expense	691.36	7,428.42	338.73	14,491.51	1,865.13
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	13,743.66	3,866.37	16,150.00	12,343.15
Total plant	12,480.05	167,944.50	20,427.89	589,410.04	100,143.87
Bank and cash balance	2,970.72	7,443.35	2,491.67	.....	1,980.74
Securities and investments	.....	.....	3,000.00	40,000.00	.....
Accounts receivable	1,348.64	3,068.27	1,374.72	54,244.46	8,769.14
Inventories	.....	14,179.13	.....	13,033.45	6,308.91
Sinking fund on local debentures	.....	.....	.....	114,024.57	.....
Equity in Hydro systems	2,060.43	17,576.12	2,609.91	151,555.64	21,701.26
Other assets	.....	.....	.....	870.84	.....
Total assets	18,859.84	210,211.37	29,904.19	963,139.00	138,903.92
Deficit	.....	.....	.....	.....	.....
Total	18,859.84	210,211.37	29,904.19	963,139.00	138,903.92
LIABILITIES					
Debenture balance	4,500.00	80,887.44	14,601.45	412,000.00	25,269.65
Accounts payable	28.45	36,722.51	.....	12,726.08	2,199.51
Bank overdraft	.....	.....	.....	771.70	.....
Other liabilities	6.00	1,552.00	.....	.....	.....
Total liabilities	4,534.45	119,161.95	14,601.45	425,497.78	27,469.16
RESERVES					
For equity in H.E.P.C. systems	2,060.43	17,576.12	2,609.91	151,555.64	21,701.26
For depreciation	766.73	17,233.01	1,295.05	123,947.78	22,583.58
Other reserves	.....	.....	.....	716.00	600.00
Total reserves	2,827.16	34,809.13	3,904.96	276,219.42	44,884.84
SURPLUS					
Debentures paid	5,000.00	22,112.56	3,938.82	43,800.00	20,962.35
Local sinking fund	.....	.....	.....	114,024.57	.....
Additional operating surplus	6,498.23	34,127.73	7,458.96	103,597.23	45,587.57
Total surplus	11,498.23	56,240.29	11,397.78	261,421.80	66,549.92
Total liabilities, reserves and surplus	18,859.84	210,211.37	29,904.19	963,139.00	138,903.92
Percentage of net debt to total assets	26.9	61.8	53.4	44.6	23.4

"A"—Continued

Hydro Municipalities as at December 31, 1927

Sutton 854	Tavistock 1,003	Tecumseh 1,786	Thamesford P.V.	Thamesville 822	Thedford 480	Thorndale P.V.	Thorold 5,328
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	234.02	.....	.....	447.98	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
17,562.53	10,369.39	28,118.37	7,179.00	7,488.82	7,429.61	3,160.38	28,459.65
.....	.....	.....	.....	.....	.....	.....	.....
3,402.30	3,593.47	5,922.74	2,436.71	3,485.49	1,363.70	1,583.98	10,153.66
4,105.83	4,122.61	8,535.08	1,902.53	3,426.66	1,851.28	1,292.91	17,378.79
1,210.72	878.59	.....	320.46	1,133.37	861.40	112.29	2,262.18
.....	.....	280.75	.....	.....	.....	.....	.....
1,464.39	600.54	1,262.48	214.02	637.77	1,530.81	310.45	5,812.37
.....	.....	.....	.....	.....	.....	.....	17,720.54
675.00	.....	.....	.....	4,445.68	433.78	.....	.....
28,420.77	19,798.62	44,119.42	12,052.72	21,065.77	13,470.58	6,460.01	81,787.19
776.20	1,359.27	.....	34.78	.....	.....	292.48	5,655.53
.....	7,115.77	.....	6,000.00	10,000.00	4,000.00	.....	.....
485.67	2,133.75	2,288.06	606.04	2,567.42	619.66	538.25	19,055.08
.....	.....	.....	.....	.....	.....	.....	97.66
.....	.....	.....	.....	.....	.....	.....	.....
2,025.51	10,350.30	3,610.51	4,621.06	4,092.89	1,888.00	2,702.46	13,518.26
.....	.....	.....	.....	.....	.....	.....	.....
31,708.15	40,757.71	50,017.99	23,314.60	37,726.08	19,978.24	9,993.20	120,113.72
.....	.....	.....	.....	.....	.....	.....	.....
31,708.15	40,757.71	50,017.99	23,314.60	37,726.08	19,978.24	9,993.20	120,113.72
22,388.54	4,717.01	21,571.95	2,752.27	7,173.31	13,371.26	1,895.10	2,861.62
421.69	65.00	7,451.81	.....	.....	153.33	.....	2,646.16
.....	.....	.....	.....	184.42	36.81	.....	.....
.....	.....	280.75	.....	.....	.....	.....	1,357.50
22,810.23	4,782.01	29,304.51	2,752.27	7,357.73	13,561.40	1,895.10	6,865.28
2,025.51	10,350.30	3,610.51	4,621.06	4,092.89	1,888.00	2,702.46	13,518.26
1,852.67	3,718.71	3,988.87	2,975.20	4,554.86	1,172.33	1,422.99	21,565.36
.....	.....	.....	.....	.....	.....	.....	.....
3,878.18	14,069.01	7,599.38	7,596.26	8,647.75	3,060.33	4,125.45	35,083.62
3,611.46	1,282.99	4,428.05	2,605.76	4,014.49	3,128.74	1,191.38	2,138.38
.....	.....	.....	.....	.....	.....	.....	.....
1,408.28	20,623.70	8,686.05	10,360.31	17,706.11	227.77	2,781.27	76,026.44
5,019.74	21,906.69	13,114.10	12,966.07	21,720.60	3,356.51	3,972.65	78,164.82
31,708.15	40,757.71	50,017.99	23,314.60	37,726.08	19,978.24	9,993.20	120,113.72
76.8	15.7	63.1	14.7	21.8	74.9	25.9	6.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Tilbury	Tillsonburg	Toronto	Toronto Twp.	Trafalgar Twp.
Population	1,987	3,119	549,429	7,973	3,898
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	969.46	2,224.27	2,675,572.92	6,188.43	.....
Substation equipment	.....	13,937.52	9,969,895.64	.....	.....
Distribution system, overhead	9,561.30	33,924.57	4,735,268.79	136,302.05	19,502.18
Distribution system, underground	.....	.....	2,370,044.08	.....	.....
Line transformers	6,843.01	11,953.26	2,128,617.53	26,955.88	6,428.52
Meters	5,742.44	13,149.61	2,112,095.43	21,710.88	3,418.86
Street lighting equipment, regular	965.88	3,039.13	426,552.99	2,738.37	.....
Street lighting equip., ornamental	.....	510.67	.....	.....	.....
Misc. construction expense	1,280.11	1,202.38	2,038,155.80	2,115.37	1,205.03
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	3,049.47	.....	5,928,185.56	619.65	.....
Total plant	28,411.67	79,941.41	32,384,388.74	196,630.63	30,554.59
Bank and cash balance	298.94	1,704.78	1,866,931.92	902.25	1,106.44
Securities and investments	18,000.00	25,000.00	.....	.....	.....
Accounts receivable	743.84	5,418.63	1,457,928.27	3,284.50	523.76
Inventories	.....	2,858.27	739,111.33	.....	.....
Sinking fund on local debentures	.....	.....	3,911,957.40	.....	.....
Equity in Hydro systems	10,303.91	23,399.52	4,229,055.60	16,758.96	.....
Other assets	.....	.....	.....	.....	.....
Total assets	57,758.36	138,322.61	44,589,373.26	217,576.34	32,184.79
Deficit	.....	.....	.....	.....	.....
Total	57,758.36	138,322.61	44,589,373.26	217,576.34	32,184.79
LIABILITIES					
Debenture balance	9,804.35	17,412.24	25,974,416.36	60,792.10	17,509.32
Accounts payable	.....	2,396.43	1,360,744.34	3,933.17	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	1,406.00	.....	999.38	.....
Total liabilities	9,804.35	21,214.67	27,335,160.70	65,724.65	17,509.32
RESERVES					
For equity in H.E.P.C. systems	10,303.91	23,399.52	4,229,055.60	16,758.96	.....
For depreciation	5,991.14	20,341.29	4,819,799.74	45,540.01	6,250.02
Other reserves	.....	.....	772,939.27	.....	.....
Total reserves	16,295.05	43,740.81	9,821,794.61	62,298.97	6,250.02
SURPLUS					
Debentures paid	4,195.65	18,587.76	2,356,583.64	18,207.90	1,917.09
Local sinking fund	.....	.....	3,911,957.40	.....	.....
Additional operating surplus	27,463.31	54,779.37	1,163,876.91	71,344.82	6,508.36
Total surplus	31,658.96	73,367.13	7,432,417.95	89,552.72	8,425.45
Total liabilities, reserves and surplus	57,758.36	138,322.61	44,589,373.26	217,576.34	32,184.79
Percentage of net debt to total assets	20.6	18.4	64.2	32.7	54.4

"A"—Continued

Hydro Municipalities as at December 31, 1927

Walkerville 9,071	Wallaceburg 4,074	Wardsville 201	Waterdown 849	Waterford 1,061	Waterloo 6,789	Watford 1,012	Welland 9,233
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
125,686.47	32,990.37	.....	200.00	.....	14,221.41	.....	28,281.34
82,806.06	9,401.87	.....	.....	.....	54,495.35	.....	50,259.55
103,642.74	45,956.62	4,607.06	12,453.97	14,129.18	67,935.75	14,831.61	117,819.89
.....	.....	.....	.....	.....	.....	.....	.....
63,484.85	29,688.77	635.09	2,763.73	5,430.47	27,997.15	4,168.48	45,177.18
56,592.69	17,223.77	821.99	4,444.79	5,028.89	29,044.04	4,544.96	45,784.95
.....	2,913.78	519.36	583.81	2,321.12	7,082.76	633.96	4,333.24
104,041.52	.....	.....	.....	.....	5,836.73	.....	.....
32,588.14	9,680.13	488.73	112.34	442.53	5,449.03	1,390.95	10,405.08
.....	.....	.....	.....	.....	2,333.64	.....	.....
18,335.05	20,941.07	193.94	.....	.....	24,527.03	657.44	52,754.89
587,177.52	168,796.38	7,266.17	20,558.64	27,352.19	238,922.89	26,227.40	354,816.12
993.90	7,335.40	.....	311.33	2,446.84	4,630.61	976.59	1,540.50
.....	.....	1,500.00	3,500.00	6,000.00	.....	2,000.00	4,192.85
71,453.61	18,898.05	1,061.68	4,307.96	227.29	13,355.55	1,364.66	116,477.20
118,568.43	4,399.12	.....	56.04	12.60	3,147.22	166.66	2,816.99
.....	.....	.....	.....	.....	5,184.00	.....	56,209.37
153,201.43	42,390.67	619.86	6,829.30	7,080.01	65,331.07	4,451.08	71,509.79
.....	.....	.....	.....	.....	.....	.....	.....
931,394.89	241,819.62	10,447.71	35,563.27	43,118.93	330,571.34	35,186.39	607,562.82
.....	.....	.....	.....	.....	.....	.....	10,962.77
931,394.89	241,819.62	10,447.71	35,563.27	43,118.93	330,571.34	35,186.39	618,525.59
218,296.35	58,942.80	6,045.27	2,256.13	.....	76,787.64	5,300.71	261,549.01
16,023.23	.....	472.77	.....	954.80	6,445.32	5.50	38,720.25
.....	.....	295.78	.....	.....	.....	.....	.....
115,377.02	708.88	.....	.....	.....	.....	.....	4,325.00
349,696.60	59,651.68	6,813.82	2,256.13	954.80	83,232.96	5,306.21	304,594.26
153,201.43	42,390.67	619.86	6,829.30	7,080.01	65,331.07	4,451.08	71,509.79
91,602.16	24,077.92	822.00	6,158.44	5,553.92	66,151.12	2,163.70	89,572.71
.....	.....	.....	.....	.....	.....	.....	83,188.4
244,803.59	66,468.59	1,441.86	12,987.74	12,633.93	131,482.19	6,614.78	244,270.97
80,962.65	12,593.78	1,517.13	5,743.87	7,745.53	29,212.36	4,412.50	13,450.99
.....	.....	.....	.....	.....	5,184.00	.....	56,209.37
255,932.05	103,105.57	674.90	14,575.53	21,784.67	81,459.83	18,852.90	.....
336,894.70	115,699.35	2,192.03	20,319.40	29,530.20	115,856.19	23,265.40	69,660.36
931,394.89	241,819.62	10,447.71	35,563.27	43,118.93	330,571.34	35,186.39	618,525.59
44.9	29.9	69.3	7.8	2.6	30.0	17.2	51.7

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Wellesley P.V.	West Lorne	Weston	Wheatley	Windsor
Population		840	4,002	682	56,433
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	7,687.81	.....	243,981.56
Substation equipment	.....	.....	31,787.27	.....	544,441.32
Distribution system, overhead	5,272.64	11,047.65	43,377.80	10,216.11	643,102.92
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	2,153.50	4,738.99	26,934.67	2,630.86	285,578.88
Meters	2,081.75	2,893.73	16,502.57	2,735.74	289,669.10
Street lighting equipment, regular	545.11	567.97	7,784.25	696.11	40,046.46
Street lighting equip., ornamental	.....	.....	20,729.13	.....	475,526.48
Misc. construction expense	102.05	347.14	7,505.80	618.33	103,778.82
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	1,250.00	.....	2,569.50	144,854.07
Total plant	10,155.05	20,845.48	162,309.30	19,466.65	2,770,979.61
Bank and cash balance	936.36	.....	7,668.42	718.88	275.00
Securities and investments	.....	1,848.42	.....	.....	.....
Accounts receivable	301.66	163.13	7,632.17	2,574.41	241,825.08
Inventories	.....	.....	428.36	.....	115,083.19
Sinking fund on local debentures	.....	.....	.....	.....	96,376.29
Equity in Hydro systems	5,100.39	8,545.16	57,866.97	1,805.26	430,652.61
Other assets	.....	.....	.....	.....	2,418.74
Total assets	16,493.46	31,402.19	235,905.22	24,565.20	3,657,610.52
Deficit	.....	.....	.....	.....	.....
Total	16,493.46	31,402.19	235,905.22	24,565.20	3,657,610.52
LIABILITIES					
Debenture balance	4,447.55	6,485.09	54,351.74	11,381.07	1,451,369.10
Accounts payable	.....	288.84	998.01	.....	145,878.08
Bank overdraft	.....	957.08	.....	.....	37,700.93
Other liabilities	.....	.....	.....	.....	507,571.22
Total liabilities	4,447.55	7,731.01	55,349.75	11,381.07	2,142,519.33
RESERVES					
For equity in H.E.P.C. systems	5,100.39	8,545.16	57,866.97	1,805.26	430,652.61
For depreciation	924.00	3,193.12	27,416.84	943.00	200,356.13
Other reserves	.....	.....	.....	.....	.....
Total reserves	6,024.39	11,738.28	85,283.81	2,748.26	631,008.74
SURPLUS					
Debentures paid	3,052.45	1,514.91	15,680.70	1,618.93	238,630.93
Local sinking fund	.....	.....	.....	.....	96,376.29
Additional operating surplus	2,969.07	10,417.99	79,590.96	8,816.94	549,075.23
Total surplus	6,021.52	11,932.90	95,271.66	10,435.87	884,082.45
otalliabilities, reserves and surplus	16,493.46	31,402.19	235,905.22	24,565.20	3,657,610.52
Percentage of net debt to total assets	39.0	33.8	31.0	50.0	65.3

"A"—Continued

Hydro Municipalities as at December 31, 1928

Woodbridge 749	Woodstock 10,140	Wyoming 452	York Twp. 46,564	E. York Twp. 21,434	N. York Twp. 8,800	Zurich P.V.	NIAGARA SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	29,075.01	.....	.....	15,848.66	5,145.30	.....	5,424,048.24
.....	58,937.22	.....	.....	8,382.00	17.15	.....	13,489,994.52
11,551.85	86,051.06	6,803.29	555,068.76	206,195.74	184,372.82	6,610.22	13,049,535.96
.....	.....	.....	.....	2,373.19	.....	.....	2,969,672.78
4,324.35	46,452.53	820.75	.....	40,888.92	28,212.96	1,598.15	5,176,324.70
3,541.49	46,749.15	1,898.03	.....	96,702.46	21,147.13	1,890.16	5,269,325.97
423.26	10,699.09	283.92	35,910.59	12,865.94	.....	461.80	1,104,424.47
.....	.....	.....	.....	803.14	.....	.....	1,091,859.07
607.82	16,906.49	805.20	19,070.96	16,565.53	5,765.53	240.77	3,001,666.49
.....	.....	.....	.....	.....	.....	.....	21,554.18
.....	13,268.95	.....	.....	.....	.....	150.00	6,709,959.67
20,448.77	308,139.50	10,611.19	610,050.31	400,625.58	244,660.89	10,951.10	57,308,366.05
332.52	13,108.34	256.50	105,977.13	23,674.41	2,290.42	546.44	2,661,414.93
4,000.00	27,000.00	.....	.....	.....	.....	3,000.00	588,436.91
555.28	17,118.78	680.88	34,478.78	12,057.68	13,581.92	1,252.79	3,242,540.98
10.48	2,039.76	.....	.....	2,837.38	208.16	.....	1,298,239.33
.....	34,245.75	.....	.....	.....	.....	.....	5,327,922.71
7,714.46	90,824.29	2,002.31	.....	24,120.32	7,674.98	3,427.80	9,553,099.07
.....	.....	.....	.....	.....	2,038.49	.....	22,230.66
33,061.51	492,476.42	13,550.88	750,506.22	463,315.37	270,454.86	19,178.13	80,002,250.64
.....	.....	794.21	.....	.....	.....	.....	16,502.50
33,061.51	492,476.42	14,345.09	750,506.22	463,315.37	270,454.86	19,178.13	80,018,753.14
6,577.18	83,510.10	5,543.44	530,803.78	336,353.89	153,123.79	4,663.24	38,688,059.19
995.72	.....	.....	438.95	10,828.50	58,767.46	.....	2,640,452.29
.....	.....	.....	.....	.....	.....	.....	237,599.19
.....	3,465.91	.....	394.15	11,171.92	3,611.82	.....	1,147,039.36
7,572.90	86,976.01	5,543.44	531,636.88	358,359.31	215,503.07	4,663.24	42,713,150.03
7,714.46	90,824.29	2,002.31	.....	24,120.32	7,674.98	3,427.80	9,553,099.07
5,410.43	77,254.46	2,642.78	65,856.69	16,540.01	15,535.76	2,294.42	8,741,138.22
.....	5,706.65	.....	.....	.....	.....	.....	929,993.48
13,124.89	173,785.40	4,645.09	65,856.69	40,660.33	23,210.74	5,722.22	19,224,230.77
1,922.79	43,875.53	4,156.56	69,196.22	20,708.89	9,898.08	928.37	5,328,380.85
.....	34,245.75	.....	.....	.....	.....	.....	5,327,922.71
10,440.93	153,593.73	.....	83,816.43	43,586.84	21,842.97	7,864.30	7,425,068.78
12,363.72	231,715.01	4,156.56	153,012.65	64.295.73	31,741.05	8,792.67	18,081,372.34
33,061.51	492,476.42	14,345.09	750,506.22	463,315.37	270,454.86	19,178.13	80,018,753.14
29.8	14.3	48.0	70.8	81.5	82.0	29.6	57.4

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM

Municipality	Alliston	Arthur	Barrie	Beaverton	Beeton
Population	1,280	1,102	7,339	978	561
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	14,198.21	299.50	.....
Substation equipment	675.73	.....	5,615.98	.....	428.50
Distribution system, overhead	21,866.58	16,493.36	40,606.75	18,604.98	11,313.65
Distribution system, underground	.....	.....	63,464.23	.....	.....
Line transformers	5,224.26	3,864.08	22,808.91	5,559.60	1,990.34
Meters	5,534.85	3,043.40	33,422.50	5,160.07	1,517.84
Street lighting equipment, regular	1,428.88	745.21	5,537.37	872.79	1,138.14
Street lighting equip., ornamental	.....	.....	6,516.82	.....	.....
Misc. construction expense	2,557.52	284.18	700.00	2,303.56	1,389.69
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	8,146.49	1,086.62	41,358.61	3,772.42	.....
Total plant	45,434.31	25,516.85	234,229.38	36,572.92	17,778.16
Bank and cash balance	.....	211.14	.....	1,970.24	.....
Securities and investments	.....	.....	7,003.22	4,000.00	.....
Accounts receivable	2,223.20	14.95	10,046.38	1,963.52	178.67
Inventories	.....	.....	1,189.85	133.24	6.69
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	3,832.48	4,826.84	28,011.15	6,205.66	3,252.07
Other assets	21.33	.....	.....	.....	.....
Total assets	51,511.32	30,569.78	280,479.98	50,845.58	21,215.59
Deficit	3,099.78	9,413.95	.....	.....	5,092.95
Total	54,611.10	39,983.73	280,479.98	50,845.58	26,308.54
LIABILITIES					
Debenture balance	33,175.06	21,408.25	18,502.58	9,850.13	12,510.52
Accounts payable	.....	2,416.44	4,534.01	298.05	4,242.93
Bank overdraft	2,010.49	.....	7,463.73	.....	140.09
Other liabilities	.....	.....	.....	15.00	.....
Total liabilities	35,185.55	23,824.69	30,500.32	10,163.18	16,893.54
RESERVES					
For equity in H.E.P.C. systems	3,832.48	4,826.84	28,011.15	6,205.66	3,252.07
For depreciation	8,768.13	7,740.45	40,451.58	6,572.29	3,673.45
Other reserves	.....	.....	700.00	.....	.....
Total reserves	12,600.61	12,567.29	69,162.73	12,777.95	6,925.52
SURPLUS					
Debentures paid	6,824.94	3,591.75	68,497.42	5,149.87	2,489.48
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	.....	.....	112,319.51	22,754.58	.....
Total surplus	6,824.94	3,591.75	180,816.93	27,904.45	2,489.48
Total liabilities, reserves and surplus	54,611.10	39,983.73	280,479.98	50,845.58	26,308.54
Percentage of net debt to total assets	73.7	92.5	12.0	22.7	94.0

"A"—Continued

Hydro Municipalities as at December 31, 1927

Bradford 991	Brechin P.V.	Canning-ton 880	Chats-worth 274	Chesley 1,746	Coldwater 620	Colling-wood 6,002	Cooks-town P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	221.00	.....	275.00	14,594.04	60.00
388.50	.....	.....	.....	595.98	.....	11,203.24	392.95
17,503.95	1,679.67	8,969.51	4,157.35	18,497.10	7,379.70	42,408.40	8,751.13
.....	.....	.....	.....	.....	.....	.....	.....
2,295.88	1,031.71	2,553.75	919.44	4,761.82	2,628.26	13,109.42	1,811.45
2,983.03	502.57	3,518.10	1,020.55	5,948.91	2,472.02	20,031.64	1,489.24
544.95	168.69	590.55	500.43	1,086.79	399.16	2,813.56	514.21
.....	.....	.....	.....	.....	145.03	.....	.....
1,691.36	546.92	584.33	385.90	3,346.86	.....	8,113.40	1,499.15
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	3,609.37	.....	5,503.60	.....	473.20	.....
25,407.67	3,929.56	19,825.61	7,204.67	39,741.06	13,299.17	112,746.90	14,518.13
.....	829.08	3,289.01	78.70	1,423.14	567.98	7,058.46	1,623.47
.....	.....	2,326.62	.....	10,000.00	6,000.00	30,000.00	.....
1,054.07	1,806.39	883.10	870.33	2,106.02	1,601.71	7,999.26	414.01
.....	22.44	317.66	.....	169.86	.....	666.23	.....
.....	.....	.....	1,853.84	.....	.....	.....	.....
3,531.51	2,689.43	4,723.59	978.30	7,373.85	2,641.34	40,799.97	988.24
.....	.....	.....	.....	.....	.....	.....	.....
29,993.25	9,276.90	31,365.59	10,985.84	60,813.93	24,110.20	199,270.82	17,543.85
4,627.78	491.59	.....	.....	.....	.....	.....	862.15
34,621.03	9,768.49	31,365.59	10,985.84	60,813.93	24,110.20	199,270.82	18,406.00
16,529.48	2,672.76	11,163.31	5,023.24	15,188.64	5,038.89	10,820.18	10,304.01
4,475.32	2,782.08	111.57	.....	.....	51.65	3,886.66	588.98
2,375.42	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	1,329.86	.....
23,380.22	5,454.84	11,274.88	5,023.24	15,188.64	5,090.54	16,036.70	10,892.99
3,531.51	2,689.43	4,723.59	978.30	7,373.85	2,641.34	40,799.97	988.24
5,038.78	1,086.06	4,773.03	1,687.15	9,503.43	5,047.50	32,358.69	3,328.78
.....	.....	.....	.....	.....	.....	.....	.....
8,570.29	3,775.49	9,496.62	2,665.45	16,877.28	7,688.84	73,158.66	4,317.02
2,670.52	538.16	3,836.69	376.76	12,311.36	1,961.11	31,784.41	3,195.99
.....	.....	.....	1,853.84	.....	.....	.....	.....
.....	.....	6,757.40	1,066.55	16,436.65	9,369.71	78,291.05	.....
2,670.52	538.16	10,594.09	3,297.15	28,748.01	11,330.82	110,075.46	3,195.99
34,621.03	9,768.49	31,365.59	10,985.84	60,813.93	24,110.20	199,270.82	18,406.00
88.3	82.8	42.3	38.8	28.4	16.1	10.1	65.7

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Creemore	Dundalk	Durham	Elmvale P.V.	Elmwood P.V.
Population	652	710	1,658		
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	.....	106.25	.....
Substation equipment	.....	.....	584.88	.....	.....
Distribution system, overhead	5,749.10	6,540.03	17,799.73	7,483.33	4,780.39
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	1,708.72	2,160.58	5,935.75	3,020.54	803.88
Meters	2,450.06	2,227.69	4,505.91	2,623.70	777.56
Street lighting equipment, regular	272.07	761.95	1,210.77	388.77	302.28
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	185.41	323.99	1,213.57	510.13	1,093.62
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	2,651.15	380.94	1,506.51	.....	.....
Total plant	13,016.51	12,395.18	32,757.12	14,132.72	7,757.73
Bank and cash balance	396.70	808.25	1,124.19	.....	622.86
Securities and investments	5,000.00	7,000.00	18,000.00	5,000.00	.....
Accounts receivable	1,574.94	1,149.04	1,339.36	243.55	245.99
Inventories	107.71	69.77	114.24	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	245.28
Equity in Hydro systems	2,963.07	2,609.37	7,505.37	4,537.26	668.40
Other assets	.....	.....	.....	.....	.....
Total assets	23,058.93	24,031.61	60,840.28	23,913.53	9,540.26
Deficit	.....	.....	.....	.....	131.51
Total	23,058.93	24,031.61	60,840.28	23,913.53	9,671.77
LIABILITIES					
Debenture balance	3,163.66	2,652.06	13,675.37	4,726.47	4,838.36
Accounts payable	.....	533.11	.....	506.03	.....
Bank overdraft	.....	.....	.....	482.04	.....
Other liabilities	.....	.....	.....	.....	.....
Total liabilities	3,163.66	3,185.17	13,675.37	5,714.54	4,838.36
RESERVES					
For equity in H.E.P.C. systems	2,963.07	2,609.37	7,505.37	4,537.26	668.40
For depreciation	3,071.10	3,091.12	7,176.88	4,707.07	1,558.09
Other reserves	.....	.....	.....	.....	.....
Total reserves	6,034.17	5,700.49	14,682.25	9,244.33	2,226.49
SURPLUS					
Debentures paid	3,336.34	3,684.84	12,124.63	2,273.53	2,361.64
Local sinking fund	.....	.....	.....	.....	245.28
Additional operating surplus	10,524.76	11,461.11	20,358.03	6,681.13	.....
Total surplus	13,861.10	15,145.95	32,482.66	8,954.66	2,606.92
Total liabilities, reserves and surplus	23,058.93	24,031.61	60,840.28	23,913.53	9,671.77
Percentage of net debt to total assets	15.7	14.8	25.6	29.4	53.2

"A"—Continued

Hydro Municipalities as at December 31, 1927

Flesherton 412	Grand Valley 655	Gravenhurst 1,768	Hanover 2,834	Holstein P.V.	Huntsville 2,760	Kincardine 2,047	Kirkfield P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	36.50	2,827.29	3,001.32	.....	353.52	4,594.68	.....
.....	.....	6,372.35	9,271.19	.....	647.30	2,794.20	.....
4,944.58	9,594.60	17,838.78	47,043.43	2,067.53	12,442.40	35,973.18	5,041.33
.....	.....	.....	.....	.....	.....	.....	.....
497.18	1,374.97	3,165.93	15,229.18	525.22	4,588.35	6,497.41	428.20
1,256.60	2,114.00	6,490.87	13,369.55	452.12	7,053.18	7,449.21	463.15
399.16	468.72	695.45	2,326.30	168.69	2,240.20	3,791.43	379.00
.....	.....	.....	.....	.....	.....	.....	.....
887.26	205.70	1,633.15	6,999.52	205.93	284.92	5,521.78	301.53
.....	.....	.....	.....	.....	.....	.....	.....
.....	919.85	27,081.29	2,370.91	.....	5,436.20	.....	.....
7,984.78	14,714.34	66,105.11	99,611.40	3,419.49	33,046.07	66,621.89	6,613.21
1,012.44	4,849.85	7,589.92	4,025.94	54.08	4,959.61	2,001.69	879.69
.....	2,982.36	10,800.00	26,716.30	.....	.....	.....	.....
1,421.00	51.33	3,146.48	3,069.65	318.61	4,565.79	1,330.11	170.49
.....	.....	1,868.29	.....	54.81	1,997.11	850.25	.....
.....	.....	4,778.64	.....	.....	.....	.....	.....
1,474.70	2,676.90	3,937.35	21,233.67	867.73	12,881.24	4,791.51	707.91
.....	.....	.....	.....	.....	.....	.....	.....
11,892.92	25,274.78	98,225.79	154,656.96	4,714.72	57,449.82	75,595.45	8,371.30
.....	.....	.....	.....	4,815.08	.....	2,545.22	686.37
11,892.92	25,274.78	98,225.79	154,656.96	9,529.80	57,449.82	78,140.67	9,057.67
5,106.18	6,523.02	25,336.64	61,502.71	1,352.28	9,777.35	47,671.47	4,630.98
60.83	253.95	272.40	.....	5,246.83	.....	2,459.88	1,376.57
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
5,167.01	6,776.97	25,609.04	61,502.71	6,599.11	9,777.35	50,131.35	6,007.55
1,474.70	2,676.90	3,937.35	21,233.67	867.73	12,881.24	4,791.51	707.91
2,324.89	4,066.65	11,577.05	20,952.77	653.19	7,205.03	6,689.28	973.19
.....	.....	.....	.....	.....	.....	.....	.....
3,799.59	6,743.55	15,514.40	42,186.44	1,520.92	20,086.27	11,480.79	1,681.10
1,593.82	4,476.98	38,631.80	25,997.29	1,409.77	11,356.19	16,528.53	1,369.02
.....	.....	4,778.64	.....	.....	.....	.....	.....
1,332.50	7,277.28	13,691.91	24,970.52	.....	16,230.01	.....	.....
2,926.32	11,754.26	57,102.35	50,967.81	1,409.77	27,586.20	16,528.53	1,369.02
11,892.92	25,274.78	98,225.79	154,656.96	9,529.80	57,449.82	78,140.67	9,057.67
49.5	29.9	23.2	46.0	171.5	21.9	70.8	78.3

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Lucknow	Markdale	Meaford	Midland	Mount Forest
Population	1,041	879	2,706	8,085	1,799
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	1,102.93	20,036.05	3,725.00
Substation equipment	.....	780.80	2,484.99	73,384.79	686.75
Distribution system, overhead	14,975.07	8,470.37	26,728.46	88,498.44	19,846.27
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	2,709.92	2,694.21	6,398.19	18,867.92	4,647.32
Meters	3,745.17	2,368.05	6,339.92	32,427.38	5,615.52
Street lighting equipment, regular	1,040.95	1,064.92	2,487.34	6,185.40	2,267.80
Street lighting equip., ornamental	.....	.....	.....	11,904.53	.....
Misc. construction expense	2,217.76	587.89	2,258.63	8,871.78	2,048.28
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	2,080.65	3,095.23	14,315.62	3,958.97
Total plant	24,688.87	18,046.89	50,895.69	274,491.91	42,795.91
Bank and cash balance	2,492.14	792.04	631.31	18,445.56	4,132.78
Securities and investments	2,000.00	2,500.00	16,229.28	.....	4,000.00
Accounts receivable	1,261.69	608.13	4,721.00	17,816.85	4,424.32
Inventories	.....	280.95	.....	5,741.38	91.08
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	2,323.01	1,818.82	2,997.30	54,763.99	6,920.92
Other assets	.....	.....	340.09	.....	.....
Total assets	32,765.71	24,046.83	75,814.67	371,259.69	62,365.01
Deficit	.....	.....	.....	.....	.....
Total	32,765.71	24,046.83	75,814.67	371,259.69	62,365.01
LIABILITIES					
Debenture balance	15,849.46	7,079.98	43,860.20	60,698.89	17,600.23
Accounts payable	971.00	.....	.....	20,940.90	1,335.20
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	20.00	331.00	210.00	.....
Total liabilities	16,820.46	7,099.98	44,191.20	81,849.79	18,935.43
RESERVES					
For equity in H.E.P.C. systems	2,323.01	1,818.82	2,997.30	54,763.99	6,920.92
For depreciation	2,419.71	4,250.81	3,458.25	61,497.37	9,957.97
Other reserves	.....	.....	.....	.....	.....
Total reserves	4,742.72	6,069.63	6,455.55	116,261.36	16,878.89
SURPLUS					
Debentures paid	3,873.90	1,920.02	5,500.00	51,371.10	13,358.37
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	7,328.63	8,957.20	19,667.92	121,777.44	13,192.32
Total surplus	11,202.53	10,877.22	25,167.92	173,148.54	26,550.69
Total liabilities, reserves and surplus	32,765.71	24,046.83	75,814.67	371,259.69	62,365.01
Percentage of net debt to total assets	55.2	31.9	60.6	25.8	34.1

"A"—Continued

Hydro Municipalities as at December 31, 1927

Neustadt 457	Orangeville 2,668	Owen Sound 12,339	Paisley 750	Penetanguishene 3,888	Port McNicoll 650	Port Perry 1,150	Priceville P.V.	Ripley 427
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	2,585.07	28,953.74	.....	2,151.00	202.60	.....	68.00	.....
.....	1,169.00	11,999.17	.....	4,040.66	.....	2,564.65	.....	.....
9,837.34	25,512.19	91,340.58	10,401.25	38,249.05	6,991.61	16,736.81	4,625.00	8,852.87
.....	.....	.....	.....	.....	.....	.....	.....	.....
4,243.29	4,672.09	33,571.73	1,330.99	13,805.47	875.36	3,515.86	549.70	2,819.34
1,912.95	7,456.66	50,399.18	2,417.66	12,443.20	1,919.18	3,110.32	337.65	732.36
496.41	1,250.67	12,180.91	1,037.03	2,778.48	203.16	1,030.40	139.88	850.83
.....	.....	11,578.23	.....	.....	.....	.....	.....	.....
1,495.88	3,406.09	1,835.61	668.75	2,155.65	609.42	288.92	833.90	1,164.99
.....	.....	33,667.65	.....	.....	.....	.....	.....	.....
1,097.60	3,204.99	.....	1,745.00	2,124.20	.....	.....	.....	.....
19,083.47	49,256.76	275526.80	17,600.68	77,747.71	10,801.33	27,246.96	6,554.13	14,420.39
28.07	876.62	29,612.95	945.60	6,597.10	492.66	303.27	.....	1,067.31
.....	.....	2,462.56	3,000.00	6,543.41	.....	9,946.66	.....	.....
333.66	2,852.30	8,969.88	1,990.26	4,798.22	422.34	2,658.36	.....	377.87
.....	256.13	7,704.97	.....	909.86	6.96	.....	.....	.....
.....	.....	40,478.95	.....	.....	.....	.....	.....	.....
2,363.19	7,640.05	36,604.78	1,340.41	19,303.99	1,294.62	2,073.36	235.21	1,170.52
.....	.....	6,973.33	.....	.....	.....	.....	.....	.....
21,808.39	60,701.86	408,334.22	24,876.95	115900.29	13,017.91	42,228.61	6,789.34	17,036.09
7,576.23	.....	.....	.....	.....	.....	.....	3,295.54	.....
29,384.62	60,701.86	408,334.22	24,876.95	115900.29	13,017.91	42,228.61	10084.88	17,036.09
11,962.84	20,493.18	50,000.00	14,007.49	25,842.54	4,588.57	18,857.56	5,101.82	12,379.35
6,080.73	2,585.92	12,957.50	.....	.....	.....	2,735.10	2,050.02	8.50
.....	.....	.....	.....	.....	.....	.....	57.65	.....
.....	.....	1,465.63	.....	.....	.....	.....	.....	.....
18,043.57	23,079.10	64,423.13	14,007.49	25,842.54	4,588.57	21,592.66	7,209.49	12,387.85
2,363.19	7,460.05	36,604.78	1,340.41	19,303.99	1,294.62	2,073.36	235.21	1,170.52
3,940.70	11,921.86	39,183.83	1,183.75	23,198.98	2,478.94	2,319.07	742.00	1,539.48
.....	.....	6,973.33	.....	.....	.....	.....	.....	.....
6,303.89	19,381.91	82,761.94	2,524.16	42,502.97	3,773.56	4,392.43	977.21	2,710.00
5,037.16	15,406.82	91,000.00	1,992.51	15,157.46	2,711.43	1,024.10	1,898.18	1,592.59
.....	.....	40,478.95	.....	.....	.....	.....	.....	.....
.....	2,834.03	129,670.20	6,352.79	32,397.32	1,944.35	15,219.42	.....	345.65
5,037.16	18,240.85	261,149.15	8,345.30	47,554.78	4,655.78	16,243.52	1,898.18	1,938.24
29,384.62	60,701.86	408,334.22	24,876.95	115900.29	13,017.91	42,228.61	10084.88	17,036.09
92.7	43.3	7.2	59.5	26.7	39.1	53.7	110.0	78.0

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Shelburne	Stayner	Sunderland P.V.	Tara	Teeswater
Population	1,031	954		490	850
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	800.00	...	...	...	...
Substation equipment	566.60	200.00	...	...	330.31
Distribution system, overhead	13,669.88	10,312.79	3,832.79	10,555.37	14,628.71
Distribution system, underground	...	...	...	...	...
Line transformers	4,014.39	3,793.73	1,454.65	1,734.39	3,010.01
Meters	4,805.62	3,917.01	1,636.07	1,382.56	2,840.61
Street lighting equipment, regular	1,037.70	862.60	271.09	430.59	1,365.62
Street lighting equip., ornamental	...	...	...	...	...
Misc. construction expense	2,277.07	321.33	142.22	1,243.96	1,733.50
Steam or hydraulic plant	...	...	...	...	...
Old plant	739.50	4,132.41	2,030.00	...	4,976.86
Total plant	27,910.76	23,539.87	9,366.82	15,346.87	28,885.62
Bank and cash balance	3,297.55	169.78	574.06	1,622.20	113.02
Securities and investments	3,000.00	7,000.00	...	...	...
Accounts receivable	344.96	400.24	394.55	7.27	323.24
Inventories	...	17.92	...	...	...
Sinking fund on local debentures	...	...	...	...	5,225.44
Equity in Hydro systems	4,218.66	4,043.82	3,486.54	1,927.99	2,326.43
Other assets	...	...	...	...	...
Total assets	38,771.93	35,171.63	13,821.97	18,904.33	36,873.75
Deficit	...	...	...	6,624.55	2,529.30
Total	38,771.93	35,171.63	13,821.97	25,528.88	39,403.05
LIABILITIES					
Debenture balance	11,334.53	6,823.84	4,680.20	10,466.47	23,997.40
Accounts payable	...	106.70	40.00	4,501.91	2,061.30
Bank overdraft	...	...	...	...	...
Other liabilities	...	...	...	...	6.00
Total liabilities	11,334.53	6,930.54	4,720.20	14,968.38	26,064.70
RESERVES					
For equity in H.E.P.C. systems	4,218.66	4,043.82	3,486.54	1,927.99	2,326.43
For depreciation	6,064.07	5,558.61	2,357.46	3,598.98	1,783.88
Other reserves	...	...	...	...	...
Total reserves	10,282.73	9,602.43	5,844.00	5,526.97	4,110.31
SURPLUS					
Debentures paid	8,585.47	7,176.16	2,119.80	5,033.53	4,002.60
Local sinking fund	...	...	...	...	5,225.44
Additional operating surplus	8,569.20	11,462.50	1,137.97	...	...
Total surplus	17,154.67	18,638.66	3,257.77	5,033.53	9,228.04
Total liabilities, reserves and surplus	38,771.93	35,171.63	13,821.97	25,528.88	39,403.05
Percentage of net debt to total assets	32.8	22.2	45.6	88.1	71.0

"A"—Continued

Hydro Municipalities as at December 31, 1927

Thornton P.V.	Tottenham 530	Uxbridge 1,484	Victoria Harbor 1,417	Waubaushene P.V.	Wingham 2,424	Woodville 435	GEORGIAN BAY SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	.....	.....	8,508.05	.....	108,699.75
.....	358.50	2,657.65	.....	.....	4,699.84	.....	144,894.51
6,406.51	7,929.89	11,601.10	7,109.68	4,357.17	33,240.80	2,297.71	892,538.25
.....	.....	.....	.....	.....	.....	.....	63,464.23
860.41	1,117.48	2,661.74	1,090.25	1,054.81	11,574.99	1,306.79	248,869.86
683.95	1,619.87	3,230.97	2,134.36	1,424.92	10,269.91	1,520.23	304,569.60
375.90	460.17	1,214.74	334.92	164.14	3,116.13	127.31	72,520.61
.....	.....	.....	.....	.....	.....	.....	30,144.61
300.35	1,265.68	843.50	.....	257.66	4,307.11	251.91	84,157.22
.....	.....	.....	.....	.....	13,200.00	.....	46,867.65
.....	286.45	.....	642.64	.....	12,243.13	2,182.50	163,152.91
8,627.12	13,038.04	22,209.70	11,311.85	7,258.70	101,159.96	7,686.45	2,159,879.20
95.61	1,007.79	315.92	2,291.71	1,542.54	30.00	1,933.79	124,787.82
.....	.....	8,000.00	.....	.....	6,000.00	4,000.00	209,510.41
.....	132.67	1,691.52	688.25	247.66	7,227.96	1,216.40	113,697.55
11.22	.....	.....	.....	.....	3,033.40	.....	25,622.02
.....	.....	.....	.....	.....	.....	.....	52,582.15
663.73	1,953.77	2,226.47	1,647.23	908.36	5,726.52	3,635.39	350,143.99
.....	.....	.....	.....	.....	.....	.....	7,334.75
9,397.68	16,132.27	34,443.61	15,939.04	9,957.26	123,177.84	18,472.03	3,043,557.89
4,972.11	4,922.56	.....	.....	.....	.....	.....	61,686.67
14,369.79	21,054.83	34,443.61	15,939.04	9,957.26	123,177.84	18,472.03	3,105,244.56
5,604.69	9,663.14	16,207.59	3,445.51	1,894.87	56,469.04	4,085.16	826,138.15
4,103.21	3,622.79	.....	.....	143.25	.....	245.90	98,587.22
.....	.....	.....	.....	.....	475.61	.....	13,005.03
.....	.....	.....	.....	.....	.....	.....	3,377.49
9,707.90	13,285.93	16,207.59	3,445.51	2,038.12	56,944.65	4,331.06	941,107.89
663.73	1,953.77	2,226.47	1,647.23	908.36	5,726.52	3,635.39	350,143.99
2,102.85	2,511.17	1,847.94	3,023.40	1,518.60	10,618.07	1,454.70	414,608.08
.....	.....	.....	.....	.....	.....	.....	7,673.33
2,766.58	4,464.94	4,074.41	4,670.63	2,426.96	16,344.59	5,090.09	772,425.40
1,895.31	3,303.96	.....	3,054.49	1,605.13	39,636.46	1,414.84	558,044.23
.....	.....	.....	.....	.....	.....	.....	52,582.15
.....	.....	14,161.61	4,768.41	3,887.05	10,252.14	7,636.04	781,084.89
1,895.31	3,303.96	14,161.61	7,822.90	5,492.18	49,888.60	9,050.88	1,391,711.27
14,369.79	21,054.83	34,443.61	15,939.04	9,957.26	123,177.84	18,472.03	3,105,244.56
111.1	93.7	50.3	24.1	22.5	48.4	29.1	33.6

STATEMENT

Balance Sheets of Electrical Departments of

ST. LAWRENCE SYSTEM

Municipality	Alexandria	Apple Hill P.V.	Brockville	Chesterville	Lancaster
Population	2,280		9,091	1,038	571
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	202.00	169.06	27,994.53	250.00	.....
Substation equipment	.....	.....	261.80	.....	.....
Distribution system, overhead	27,284.30	2,768.15	68,437.95	6,964.59	6,103.23
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	8,150.11	1,165.70	25,031.26	2,696.82	962.35
Meters	6,323.77	770.25	33,559.37	3,182.65	1,257.30
Street lighting equipment, regular	2,143.94	398.97	16,788.37	496.35	650.65
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	5,542.75	210.33	3,914.95	610.68	1,068.55
Steam or hydraulic plant	.....	.....	53,936.51	.....	.....
Old plant	4,466.89	709.55	2,400.00	.....	.....
Total plant	54,113.76	6,192.01	232,324.74	14,201.09	10,042.08
Bank and cash balance	3,651.05	.....	19,920.06	9,056.52	1,558.95
Securities and investments	.....	.....	110,620.74	4,000.00	.....
Accounts receivable	3,919.25	617.60	31,284.75	2,824.27	99.24
Inventories	.....	.....	2,509.70	876.63	.....
Sinking fund on local debentures	.....	.....	88,489.42	.....	.....
Equity in Hydro systems	6,273.30	576.80	35,903.85	8,491.66	1,324.72
Other assets	.....	.....	411.59	.....	.....
Total assets	67,957.36	7,386.41	521,464.85	39,450.17	13,024.99
Deficit	.....	.....	.....	.....	9,164.50
Total	67,957.36	7,386.41	521,464.85	39,450.17	22,189.49
LIABILITIES					
Debenture balance	33,798.64	4,933.00	152,008.40	3,599.37	7,003.98
Accounts payable	1,693.12	.....	7,327.79	.....	9,818.05
Bank overdraft	.....	167.35	.....	.....	.....
Other liabilities	100.00	.....	10.00	.....	.....
Total liabilities	35,591.76	5,100.35	159,346.19	3,599.37	16,822.03
RESERVES					
For equity in H.E.P.C. systems	6,273.30	576.80	35,903.85	8,491.66	1,324.72
For depreciation	4,882.11	593.62	33,150.00	4,928.34	1,076.30
Other reserves	325.25	.....	.....	.....	.....
Total reserves	11,480.66	1,170.42	69,053.85	13,420.00	2,401.02
SURPLUS					
Debentures paid	14,335.20	1,067.00	74,649.14	2,900.63	2,966.44
Local sinking fund	.....	.....	88,489.42	.....	.....
Additional operating surplus	6,549.74	48.64	129,926.25	19,530.17	.....
Total surplus	20,884.94	1,115.64	293,064.81	22,430.80	2,966.44
Total liabilities, reserves and surplus	67,957.36	7,386.41	521,464.85	39,450.17	22,189.49
Percentage of net debt to total assets	57.7	74.8	17.8	11.6	143.7

"A"—Continued

Hydro Municipalities as at December 31, 1927

Martin-town P.V.	Maxville 800	Prescott 2,692	Russell P.V.	Williams-burg P.V.	Winchester 1,120	ST. LAWRENCE SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
126.15	.....	2,761.54	.....	.....	299.85	31,803.13
.....	407.79	.....	.....	.....	.....	669.59
2,553.56	11,024.40	34,794.17	7,422.79	1,613.84	8,444.40	177,411.38
.....	.....	.....	.....	.....	.....	.....
690.33	1,736.95	9,587.44	1,382.48	416.89	1,974.41	53,794.74
625.95	2,175.18	13,420.52	1,365.83	827.62	3,706.28	67,214.72
335.26	1,511.99	1,741.96	482.22	152.11	605.02	25,306.84
.....	.....	.....	.....	.....	.....	.....
653.27	2,427.80	2,030.10	1,191.88	4.00	343.94	17,998.25
.....	.....	.....	.....	.....	.....	53,936.51
.....	.....	12,108.35	.....	.....	1,100.00	20,784.79
4,984.52	19,284.11	76,444.08	11,845.20	3,014.46	16,473.90	448,919.95
269.82	293.35	2,648.65	288.30	289.96	2,123.96	40,100.62
1,000.00	.....	7,000.00	.....	1,000.00	8,000.00	131,620.74
541.10	17.00	5,033.92	1,040.01	789.58	2,615.32	48,782.04
.....	.....	.....	.....	.....	1,539.93	4,926.26
.....	.....	5,065.51	.....	.....	.....	93,554.93
334.97	1,703.18	8,503.41	560.03	847.30	4,366.24	68,885.46
.....	.....	.....	.....	.....	.....	411.59
7,130.41	21,297.64	104,695.57	13,733.54	5,941.30	35,119.35	837,201.59
.....	928.52	.....	.....	.....	.....	10,093.02
7,130.41	22,226.16	104,695.57	13,733.54	5,941.30	35,119.35	847,294.61
4,630.94	12,206.58	12,237.83	9,410.64	1,276.74	8,108.63	249,214.75
.....	2,803.89	.....	1,411.45	130.62	773.70	23,958.62
.....	.....	.....	.....	.....	.....	167.35
.....	.....	.....	.....	.....	.....	110.00
4,630.94	15,010.47	12,237.83	10,822.09	1,407.36	8,882.33	273,450.72
334.97	1,703.18	8,503.41	560.03	847.30	4,366.24	68,885.46
514.60	1,719.09	21,598.05	210.00	1,131.20	4,706.79	74,510.10
.....	.....	.....	.....	.....	.....	325.25
849.57	3,422.27	30,101.46	770.03	1,978.50	9,073.03	143,720.81
1,369.06	3,793.42	11,741.51	589.36	1,473.26	2,541.37	117,426.39
.....	.....	5,065.51	.....	.....	.....	93,554.93
280.84	.....	45,549.26	1,552.06	1,082.18	14,622.62	219,141.76
1,649.90	3,793.42	62,356.28	2,141.42	2,555.44	17,163.99	430,123.08
7,130.41	22,226.16	104,695.57	13,733.54	5,941.30	35,119.35	847,294.61
68.1	76.6	7.8	82.1	27.6	28.8	26.6

STATEMENT

Balance Sheets of Electrical Departments of

RIDEAU SYSTEM

Municipality	Carleton Place	Kemptville	Lanark	Perth	Smiths Falls
Population	4,221	1,191	594	3,571	6,933
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	6,255.32	.....	.....	6,600.50	20,228.85
Substation equipment	2,471.63	.....	.....	3,492.82	4,845.66
Distribution system, overhead	30,606.13	17,046.88	5,242.42	37,091.63	74,233.32
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	7,336.71	4,010.69	708.96	16,552.16	19,052.21
Meters	13,643.13	4,835.34	1,246.07	18,225.57	26,684.97
Street lighting equipment, regular	1,197.37	1,013.42	642.24	3,863.07	6,237.05
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	8,550.54	5,528.08	321.60	5,026.82	7,477.99
Steam or hydraulic plant	.....	.....	.....	22,500.56	38,251.49
Old plant	.....	.....	.....	2,674.25	21,566.48
Total plant	70,060.83	32,434.41	8,161.29	116,027.38	218,578.02
Bank and cash balance	6,329.52	2,647.39	150.54	75.00	7,967.01
Securities and investments	11,000.00	12,000.00	1,982.05	.....	21,000.00
Accounts receivable	5,629.63	3,941.69	485.97	49,644.75	5,543.97
Inventories	944.44	405.94	.....	4,919.08	402.03
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in Hydro systems	12,080.73	2,732.13	882.82	9,494.83	15,864.47
Other assets	456.81	.....	.....	690.47	.....
Total assets	106,501.96	54,161.56	11,662.67	180,851.51	269,355.50
Deficit	.....	.....	.....	.....	.....
Total	106,501.96	54,161.56	11,662.67	180,851.51	269,355.50
LIABILITIES					
Debenture balance	56,201.73	22,345.72	5,854.86	95,008.99	133,769.04
Accounts payable	2,905.96	7.10	.....	3,199.12	241.75
Bank overdraft	.....	.....	.....	1,590.95	.....
Other liabilities	427.00	.....	.....	672.50	.....
Total liabilities	59,534.69	22,352.82	5,854.86	100,471.56	134,010.79
RESERVES					
For equity in H.E.P.C. systems	12,080.73	2,732.13	882.82	9,494.83	15,864.47
For depreciation	8,724.98	2,837.85	749.02	20,083.69	41,889.53
Other reserves	.....	.....	.....	.....	.....
Total reserves	20,805.71	5,569.98	1,631.84	29,578.52	57,754.00
SURPLUS					
Debentures paid	9,798.27	2,654.28	1,706.61	13,391.01	63,855.96
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	16,363.29	23,584.48	2,469.36	37,410.42	13,734.75
Total surplus	26,161.56	26,238.76	4,175.97	50,801.43	77,590.71
Total liabilities, reserves and surplus	106,501.96	54,161.56	11,662,.67	180,851.51	269,355.50
Percentage of net debt to total assets	63.0	43.4	54.3	58.6	52.8

"A"—Continued

Hydro Municipalities as at December 31, 1927

	THUNDER BAY SYSTEM				OTTAWA SYSTEM	TRENT SYSTEM
RIDEAU SYSTEM SUMMARY	Fort William 22,339	Nipigon P.V.	Port Arthur 17,388	THUNDER BAY SYSTEM SUMMARY	Ottawa 118,697	Bloomfield 649
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
33,084.67	48,927.62	.....	69,026.52	117,954.14	145,806.00	.....
10,810.11	115,217.26	.....	65,188.55	180,405.81	420,127.99	410.00
164,220.38	55,830.02	9,426.58	374,363.46	439,620.06	548,874.20	7,471.61
.....	.....	.....	.....	.....	146,677.29	.....
47,660.73	12,120.47	936.94	37,747.72	50,805.13	223,589.33	859.96
64,635.08	4,058.73	1,396.66	67,994.78	73,450.17	219,686.73	2,151.00
12,953.15	41.05	383.86	37,428.65	37,853.56	62,713.93	622.90
.....	.....	.....	.....	.....	29,978.05	.....
26,905.03	3,639.21	22.53	28,096.81	31,758.55	34,191.05	1,403.42
60,752.05	.....	.....	348,112.93	348,112.93	.....	.....
24,240.73	417,650.00	.....	.....	417,650.00	.....	.....
445,261.93	657,484.36	12,166.57	1,027,959.42	1,697,610.35	1,831,644.57	12,918.89
17,169.46	15,288.59	477.05	50,431.35	66,196.99	29,694.31	4,614.86
45,982.05	.....	.....	468,737.55	468,737.55	153,000.00	.....
65,246.01	40,255.86	1,167.97	84,266.34	125,690.17	51,645.77	2,218.41
6,671.49	.....	.....	27,299.28	27,299.28	27,038.61	.....
.....	134,818.13	.....	202,442.96	337,261.09	409,670.05	.....
41,054.98	27,766.38	172.69	102,083.09	130,022.16	.....	.....
1,147.28	518.87	.....	.....	518.87	67.10	.....
622,533.20	876,132.19	13,984.28	1,963,219.99	2,853,336.46	2,502,760.41	19,752.16
.....	10,363.17	.....	.....	10,363.17	.....	.....
622,533.20	886,495.36	13,984.28	1,963,219.99	2,863,699.63	2,502,760.41	19,752.16
313,180.34	471,500.00	9,134.54	436,100.00	916,734.54	958,426.24	9,307.02
6,353.93	42,610.96	.....	109,133.25	151,744.21	45,513.05	10.70
1,590.95	.....	.....	.....	.....	.....	.....
1,099.50	2,970.89	.....	.....	2,970.89	.....	.....
322,224.72	517,081.85	9,134.54	545,233.25	1,071,449.64	1,003,939.29	9,317.72
41,054.98	27,766.38	172.69	102,083.09	130,022.16	.....	.....
74,285.07	10,679.00	711.00	227,220.06	238,610.06	626,948.82	2,274.50
.....	.....	.....	7,380.20	7,380.20	49,774.23	.....
115,340.05	38,445.38	883.69	336,683.35	376,012.42	676,723.05	2,274.50
91,406.13	196,150.00	865.46	200,000.00	397,015.46	21,573.76	1,892.98
.....	134,818.13	.....	202,442.96	337,261.09	409,670.05	.....
93,562.30	.....	3,100.59	678,860.43	681,961.02	390,854.26	6,266.96
184,968.43	330,968.13	3,966.05	1,081,303.39	1,416,237.57	822,098.07	8,159.94
622,533.20	886,495.36	13,984.28	1,963,219.99	2,863,699.63	2,502,760.41	19,752.16
55.4	53.5	66.1	20.6	30.7	28.4	47.1

STATEMENT

Balance Sheets of Electrical Departments of

TRENT
SYSTEM—Continued

Municipality	Havelock	Kingston	Lakefield	Marmora	Norwood
Population	1,073	21,689	1,291	780	748
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	136,601.24	86.89	.....	.....
Substation equipment	572.90	.....	.....	.....	457.53
Distribution system, overhead	19,542.42	117,459.70	19,802.85	12,373.11	22,706.91
Distribution system, underground	.....	98,568.28	.....	.....	.....
Line transformers	2,054.41	48,577.46	3,488.98	1,773.30	3,644.69
Meters	4,964.23	83,791.96	6,015.57	2,912.13	4,355.35
Street lighting equipment, regular	1,811.18	13,150.91	1,798.73	1,088.59	1,848.52
Street lighting equip., ornamental	.....	32,054.09	.....	.....	.....
Misc. construction expense	4,626.83	46,296.71	3,337.14	2,000.91	4,033.61
Steam or hydraulic plant	.....	76,096.68	.....	.....	.....
Old plant	2,420.45	41,349.53	3,445.25	573.62	2,447.51
Total plant	35,992.42	693,946.56	37,975.41	20,721.66	39,494.12
Bank and cash blaance	1,106.36	23,936.32	503.54	4,999.42	2,410.61
Securities and investments	2,500.00	50,450.00	7,000.00	.....	2,000.00
Accounts receivable	1,350.93	20,567.02	3,318.54	8.64	570.70
Inventories	.....	10,352.44	49.77	.....	.....
Sinking fund on local debentures	.....	74,278.52	.....	.....	.....
Equity in Hydro systems	.....	.....	.....	.....	.....
Other assets	.....	.....	.....	.....	232.20
Total assets	40,949.71	873,530.86	48,847.26	25,729.72	44,707.63
Deficit	.....	.....	.....	.....	.....
Total	40,949.71	873,530.86	48,847.26	25,729.72	44,707.63
Liabilities					
Debenture balance	25,692.57	233,672.56	30,194.42	12,589.86	33,109.89
Accounts payable	582.07	.....	38.74	472.54	53.86
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	.....	10.00	203.00
Total liabilities	26,274.64	233,672.56	30,233.16	13,072.40	33,366.75
Reserves					
For equity in H.E.P.C. systems	.....	.....	.....	.....	.....
For depreciation	3,098.56	63,036.79	4,579.14	1,902.17	4,133.59
Other reserves	.....	.....	.....	.....	.....
Total reserves	3,098.56	63,036.79	4,579.14	1,902.17	4,133.59
Surplus					
Debentures paid	7,207.43	78,227.43	3,305.58	5,076.25	3,990.11
Local sinking fund	.....	74,278.52	.....	.....	.....
Additional operating surplus	4,369.08	424,315.56	10,729.38	5,678.90	3,217.18
Total surplus	11,576.51	576,821.51	14,034.96	10,755.15	7,207.29
Total liabilities, reserves and surplus	40,949.71	873,530.86	48,847.26	25,729.72	44,707.63
Percentage of net debt to total assets	64.1	19.9	61.8	50.8	74.6

"A"—Concluded

Hydro Municipalities as at December 31, 1926

Omemee 590	Peterboro' 21,495	Picton 3,206	Wark-worth P.V.	Welling-ton 821	Whitby 3,354	TRENT SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	75,069.71	1,405.07	.....	200.00	3,635.79	216,998.70	6,078,394.63
360.32	94,647.59	1,560.09	.....	615.00	2,461.74	101,085.17	14,347,987.70
10,037.44	147,378.15	30,351.41	5,067.30	12,927.44	39,287.51	444,405.85	15,716,606.08
.....	.....	.....	.....	.....	.....	98,568.28	3,278,382.58
2,488.39	77,779.72	8,426.83	292.61	2,887.84	7,255.42	159,529.61	5,960,574.10
2,317.21	76,363.75	12,711.01	1,142.14	4,082.38	11,625.63	212,432.36	6,211,314.63
436.78	53,987.64	4,131.66	299.74	843.66	3,521.19	83,541.50	1,399,314.06
.....	.....	.....	.....	.....	.....	32,054.09	1,184,035.82
1,540.92	54,911.70	3,141.36	624.19	717.28	5,039.07	127,673.14	3,324,349.73
.....	.....	.....	.....	.....	.....	76,096.68	607,320.00
.....	17,410.71	3,105.28	3,618.02	2,477.92	1,340.13	78,188.42	7,413,976.52
17,181.06	597,548.97	64,832.71	11,044.00	24,751.52	74,166.48	1,630,573.80	65,522,255.85
850.39	23,039.21	3,666.04	1,180.71	2,390.38	6,770.51	75,468.35	3,014,832.48
.....	.....	21,000.00	.....	5,000.00	11,000.00	98,950.00	1,696,237.66
79.54	30,292.88	3,265.75	2,768.54	735.84	2,991.41	68,168.20	3,715,770.72
.....	7,161.45	5,160.13	.....	.....	208.63	22,932.42	1,412,729.41
.....	103,640.32	.....	.....	.....	.....	177,918.84	6,398,909.77
.....	.....	.....	.....	.....	.....	.....	10,143,205.66
.....	.....	.....	.....	.....	.....	232.20	31,942.45
18,110.99	761,682.83	97,924.63	14,993.25	32,877.74	95,137.03	2,074,243.81	91,935,884.00
.....	.....	.....	.....	.....	.....	.....	98,645.36
18,110.99	761,682.83	97,924.63	14,993.25	32,877.74	95,137.03	2,074,243.81	92,034,529.36
7,966.75	527,920.00	1,503.75	10,557.03	14,368.08	32,726.43	939,608.36	42,891,361.57
.....	14,934.80	1,092.63	14.00	.....	4,813.24	22,012.58	2,988,621.90
.....	.....	.....	.....	.....	.....	.....	252,362.52
.....	.....	.....	.....	.....	.....	213.00	1,154,810.24
7,966.75	542,854.80	2,596.38	10,571.03	14,368.08	37,539.67	961,833.94	47,287,156.23
.....	.....	.....	.....	.....	.....	.....	10,143,205.66
3,413.93	51,638.93	5,995.90	542.00	3,829.09	5,344.10	149,788.70	10,319,889.05
.....	7,620.20	150.00	.....	.....	.....	7,770.20	1,002,916.69
3,413.93	59,259.13	6,145.90	542.00	3,829.09	5,344.10	157,558.90	21,466,011.40
4,033.25	.....	4,226.57	442.97	2,631.92	23,886.07	134,920.56	6,648,767.38
.....	103,640.32	.....	.....	.....	.....	177,918.84	6,398,909.77
2,697.06	55,928.58	84,955.78	3,437.25	12,048.65	28,367.19	642,011.57	10,233,684.58
6,730.31	159,568.90	89,182.35	3,880.22	14,680.57	52,253.26	954,850.97	23,281,361.73
18,110.99	761,682.83	97,924.63	14,993.25	32,877.74	95,137.03	2,074,243.81	92,034,529.36
43.9	66.7	2.6	70.5	43.7	39.4	41.3	54.2

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt P.V.	Ailsa Craig	Alvinston	Amherstburg
Population	1,835		418	632	2,907
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	8,325.56	3,332.90	2,377.15	3,425.78	18,541.67
Commercial light service	2,671.13	587.37	957.60	1,849.09	7,127.73
Commercial power service	11,130.18	1,982.42	1,751.23	2,394.61	4,373.41
Municipal power	716.71	.....	.....	334.11	.....
Street lighting	1,823.26	650.00	616.00	1,766.66	987.64
Rural service	.....	.....	.....	.....	.....
Miscellaneous	260.67	109.28	181.66	194.90	220.40
Total earnings	24,927.51	6,661.97	5,883.64	9,965.15	31,250.85
EXPENSES					
Power purchased	15,837.64	4,108.29	3,743.86	7,856.52	15,838.86
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,795.50	316.29	111.18	106.06	2,173.56
Line transformer maintenance	.....	.....	.....	.....	3.90
Meter maintenance	20.56	.....	.....	.....	36.07
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	229.15	67.62	29.70	148.76	460.93
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	1,431.38
General office, salaries and expenses	960.64	353.07	164.31	513.38	1,231.00
Undistributed expenses	337.20	.....	.....	.....	88.50
Truck operation and maintenance	184.91	.....	.....	.....	.....
Interest	198.04	439.53	156.93	1,109.90	1,619.56
Sinking fund and principal payments on debentures	484.73	388.21	198.95	1,099.78	.....
Total expenses	20,048.37	5,673.01	4,404.93	10,834.40	22,883.76
Gross surplus	4,879.14	988.96	1,478.71	.....	8,367.09
Gross loss	.....	.....	.....	869.25	.....
Depreciation	987.00	263.00	389.00	514.00	1,155.00
Net surplus	3,892.14	725.96	1,089.71	.....	7,212.09
Net loss	.....	.....	.....	1,383.25	.....
NUMBER OF CONSUMERS					
Domestic service	455	125	123	147	597
Commercial light service	67	15	40	56	134
Power service	18	2	2	4	18
Total	540	142	165	207	749

"B"

Hydro Municipalities for Year Ended December 31, 1927

Ancaster Twp. 4,377	Arkona 363	Aylmer 2,158	Ayr 810	Baden P.V.	Barton Twp. 7,774	Beachville P.V.	Belle River 669
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,693.09	2,006.05	8,984.12	3,148.07	2,512.96	22,387.91	1,555.83	4,099.52
1,748.37	1,011.24	6,224.41	1,125.41	857.08	2,443.42	613.97	1,764.53
536.66	884.76	4,206.80	996.79	7,625.87	4,661.88	7,212.65	1,355.88
.....	.....	1,439.09	.....	.....	.....	.....	.....
982.66	1,112.48	2,210.00	905.78	504.00	3,360.00	506.00	750.00
.....	.....	.....	.....	.....	.....	.....	.....
96.07	.....	816.49	131.07	105.72	400.00	391.14	83.08
16,056.85	5,014.53	23,880.91	6,307.12	11,605.63	33,253.21	10,279.59	8,053.01
6,621.26	3,542.53	13,936.77	3,662.13	9,870.48	15,316.76	7,663.81	3,707.89
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
1,416.50	63.94	2,817.19	411.61	65.05	517.50	167.01	460.11
.....	.....	.....	32.73	.....	14.10	.....	.....
.....	.....	121.03	8.58	3.20	98.54	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
140.77	38.85	124.13	23.62	80.67	140.26	58.53	30.22
.....	.....	.....	.....	.....	.....	.....	.....
.....	352.06	609.53	397.15	373.51	1,301.36	311.38	275.41
1,558.51	121.86	586.86	168.29	89.43	3,102.18	88.84	181.54
.....	.....	212.87	69.34	65.62	824.25	61.84	71.76
.....	.....	11.90	.....	.....	451.38	.....	.....
1,256.16	749.56	1,579.62	218.83	168.81	4,933.46	191.18	465.89
323.33	408.46	928.30	857.99	156.45	4,099.85	166.61	275.20
11,316.53	5,277.26	20,928.20	5,850.27	10,873.22	30,799.64	8,709.20	5,468.02
4,740.32	.....	2,952.71	456.85	732.41	2,453.57	1,570.39	2,584.99
.....	262.73	.....	.....	.....	.....	.....	.....
1,100.36	.....	1,030.00	452.00	274.00	2,239.00	457.00	393.00
3,639.96	.....	1,922.71	4.85	458.41	214.57	1,113.39	2,191.99
.....	262.73	.....	.....	.....	.....	.....	.....
557	89	555	177	114	1,130	102	158
46	28	127	45	25	69	25	32
3	3	12	4	5	4	3	4
606	120	694	226	144	1,203	130	194

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Blenheim	Blyth	Bolton	Bothwell	Brampton
Population	1,569	643	631	648	4,835
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	6,349.06	2,984.30	2,727.14	2,870.72	26,430.95
Commercial light service	4,162.35	1,428.19	1,252.52	1,434.82	11,524.80
Commercial power service	4,647.02	624.65	3,389.66	6,343.43	12,728.69
Municipal power	.....	.....	.....	183.66	2,485.23
Street lighting	2,443.00	1,485.00	822.82	1,007.74	4,405.33
Rural service	.....	.....	.....	.....	.....
Miscellaneous	119.57	253.71	30.62	692.77	1,897.09
Total earnings	17,721.00	6,775.85	8,222.76	12,533.14	59,472.09
EXPENSES					
Power purchased	11,109.79	3,572.76	4,879.06	7,147.88	42,223.51
Substation operation	.....	.....	.....	.....	18.25
Substation maintenance	.....	.....	.....	.....	118.34
Distribution system, operation and maintenance	2,330.22	32.03	35.29	133.16	1,675.94
Line transformer maintenance	108.15	.....	.....	.....	67.63
Meter maintenance	16.49	10.35	23.01	.....	106.85
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	381.47	11.09	42.44	88.46	429.01
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	714.00	.....	.....	261.88	1,556.38
General office, salaries and expenses	179.13	394.83	646.35	519.74	2,512.39
Undistributed expenses	159.54	.....	13.65	88.40	428.94
Truck operation and maintenance	.....	.....	.....	.....	.....
Interest	697.00	1,034.79	497.32	1,143.69	2,043.80
Sinking fund and principal payments on debentures	336.15	719.77	396.06	120.06	3,194.79
Total expenses	16,031.94	5,775.62	6,533.18	9,503.27	54,375.83
Gross surplus	1,689.06	1,000.23	1,689.58	3,029.87	5,096.26
Gross loss	.....	.....	.....	.....	.....
Depreciation	975.00	308.00	235.00	394.00	1,394.00
Net surplus	714.06	692.23	1,454.58	2,635.87	3,702.26
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	456	123	134	157	1,279
Commercial light service	109	42	41	49	220
Power service	14	3	8	13	53
Total	579	168	183	219	1,552

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Brantford 27,410	Brantford Twp. 7,112	Brigden P.V.	Brussels 822	Burford P.V.	Burgessville P.V.	Caledonia 1,450	Campbellville P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
139,770.28	14,670.08	2,057.84	4,621.37	3,673.49	1,147.60	3,016.40	994.50
28,946.54	3,481.58	1,332.87	2,250.38	1,036.82	415.19	3,562.76	401.99
104,494.61	3,217.04	591.05	587.66	1,625.35	1,196.65	3,394.72	.....
28,523.99	.....	.....	.....	.....	.....	.....	.....
33,718.56	3,652.98	718.00	1,611.64	848.17	322.00	1,245.00	456.00
.....	.....	.....	.....	.....	.....	.....	.....
.....	723.10	.....	46.21	59.12	21.55	.....	41.84
335,453.98	25,744.78	4,699.76	9,117.26	7,242.95	3,102.99	11,218.88	1,894.33
235,776.93	10,669.63	3,710.65	5,212.73	4,755.43	1,980.08	6,305.88	1,145.05
4,847.34	.....	.....	.....	.....	.....	.....	.....
754.20	.....	.....	.....	.....	.....	.....	.....
4,597.35	896.61	275.54	477.60	342.93	20.28	445.07	3.00
640.61	119.88	.....	.....	.....	.....	6.15	.....
428.45	60.49	.....	.....	.....	.....	27.61	.....
280.47	.....	.....	.....	.....	.....	.....	.....
4,914.37	224.02	43.90	117.08	60.47	21.22	92.77	46.73
1,450.00	.....	.....	.....	.....	.....	.....	.....
6,287.61	276.16	.....	.....	369.81	67.00	549.25	.....
7,940.05	3,623.03	434.08	367.23	31.06	1.60	196.32	99.03
3,417.11	276.88	.....	.....	67.44	54.50	69.65	.....
2,615.63	686.50	.....	.....	.....	.....	.....	.....
22,948.60	2,482.78	147.33	1,050.06	129.65	125.38	272.07	306.93
20,471.00	2,360.14	195.96	707.22	271.56	180.62	169.52	181.31
317,369.72	21,676.12	4,807.46	7,931.92	6,028.35	2,450.68	8,134.29	1,782.05
18,084.26	4,068.66	.....	1,185.34	1,214.60	652.31	3,084.59	112.28
.....	.....	107.70	.....	.....	.....	.....	.....
17,026.00	1,779.00	275.00	434.00	371.00	140.00	497.00	81.00
1,058.26	2,289.66	.....	751.34	843.60	512.31	2,587.59	31.28
.....	.....	382.70	.....	.....	.....	.....	.....
5,957	654	100	165	181	49	203	35
670	48	38	55	36	13	79	7
99	6	5	1	4	1	9	.....
6,726	708	143	221	221	63	291	42

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Cayuga	Chatham	Chippawa	Clifford	Clinton
Population	696	14,142	1,101	490	1,974
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,808.97	67,929.54	5,205.94	1,718.76	9,470.03
Commercial, light service	1,687.81	49,547.50	1,545.43	1,114.91	4,249.23
Commercial power service	1,446.39	70,674.90	318.03	125.34	3,869.52
Municipal power	.....	4,042.78	5,501.04	.....	869.06
Street lighting	1,320.00	14,873.68	958.17	848.00	1,935.88
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	5,113.87	16.18	79.19	1,110.55
Total earnings	6,263.17	212,182.27	13,544.79	3,886.20	21,504.27
EXPENSES					
Power purchased	3,447.83	116,204.58	7,017.89	2,201.54	12,269.28
Substation operation	.....	6,868.32	.....	.....	.....
Substation maintenance	.....	1,380.20	.....	.....	.....
Distribution system, operation and maintenance	366.93	4,495.61	958.39	85.84	279.48
Line transformer maintenance	.....	211.17	22.26	.....	.....
Meter maintenance	34.33	896.05	9.15	.....	33.97
Consumers' premises expenses	.....	52.62	.....	.....	.....
Street lighting, operation and maintenance	56.50	3,062.17	225.60	22.85	214.49
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	371.70	6,716.14	513.88	.....	.....
General office, salaries and expenses	131.12	12,893.98	233.65	385.69	2,307.32
Undistributed expenses	67.88	2,627.58	89.71	.....	200.95
Truck operation and maintenance	.....	960.93	.....	.....	.....
Interest	1,031.77	15,490.79	698.59	427.52	2,265.45
Sinking fund and principal payments on debentures	638.41	7,694.72	512.18	122.93	1,305.66
Total expenses	6,146.47	179,554.86	10,281.30	3,246.37	18,876.60
Gross surplus	116.70	32,627.41	3,263.49	639.83	2,627.67
Gross loss	.....	.....	.....	.....	.....
Depreciation	437.00	9,857.00	587.00	176.00	1,492.00
Net surplus	.....	22,770.41	2,676.49	463.83	1,135.67
Net loss	320.30	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	73	3,727	150	76	485
Commercial light service	43	674	35	34	124
Power service	4	116	5	1	14
Total	120	4,517	190	111	623

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Comber P.V.	Cottam P.V.	Courtright 416	Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 568	Dresden 1,384
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,286.28	1,939.92	1,628.21	1,327.98	901.59	2,462.29	2,650.96	4,349.87
1,761.58	1,443.40	972.43	770.01	585.89	851.76	1,925.70	3,735.39
5,245.68	480.43	.....	1,702.01	.....	654.20	1,704.17	3,925.47
.....	.....	.....	.....	.....	.....	.....	388.12
652.50	453.87	902.00	615.00	252.00	426.80	897.00	1,757.00
.....	.....	.....	.....	.....	.....	.....	.....
74.55	.....	74.50	.....	10.72	151.35	342.57	671.43
10,020.59	4,317.62	3,577.14	4,415.00	1,750.20	4,546.40	7,520.40	14,827.28
6,311.12	1,820.63	2,287.05	2,803.64	751.32	2,282.95	4,302.35	10,386.20
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
302.91	98.35	94.75	208.45	62.47	140.26	256.15	1,791.89
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	23.42	34.60	.....
.....	.....	.....	.....	.....	.....	.....	.....
37.24	11.86	70.65	45.52	22.44	8.00	49.08	100.53
.....	.....	.....	.....	.....	.....	.....	.....
369.84	.....	.....	.....	115.48	173.58	.....	.....
51.83	423.24	214.09	114.00	.....	52.25	130.31	1,014.19
72.32	.....	.....	.....	.....	80.48	64.28	.....
.....	.....	.....	.....	.....	.....	.....	.....
245.53	498.83	425.47	125.78	152.08	169.05	488.55	352.12
346.60	258.12	418.36	80.16	108.13	110.67	202.96	991.31
7,737.39	3,111.03	3,510.37	3,377.55	1,211.92	3,040.66	5,528.28	14,636.24
2,283.20	1,206.59	66.77	1,037.45	538.28	1,505.74	1,992.12	191.04
.....	.....	.....	.....	.....	.....	.....	.....
315.00	173.00	155.00	131.00	45.00	315.00	377.00	718.00
1,968.20	1,033.59	.....	906.45	493.28	1,190.74	1,615.12	.....
.....	.....	88.23	.....	.....	.....	.....	526.96
95	87	63	60	41	127	141	336
48	24	17	24	16	22	55	118
3	2	.....	1	.....	2	5	14
146	113	80	85	57	151	201	468

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Drumbo P.V.	Dublin P.V.	Dundas	Dunnville	Dutton
Population			5,005	3,349	865
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,507.33	872.84	16,965.78	7,767.67	2,791.27
Commercial light service	611.30	562.02	9,063.67	9,796.96	2,189.70
Commercial power service	890.61	1,505.03	19,628.17	10,532.15	3,028.67
Municipal power	.....	.....	484.36	2,651.97	.....
Street lighting	570.00	733.33	3,888.02	4,118.08	933.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	83.85	1.08	1,799.98	684.61	445.60
Total earnings	3,663.09	3,674.30	51,829.88	35,551.44	9,388.24
EXPENSES					
Power purchased	2,482.97	2,233.86	32,457.09	20,673.16	6,570.26
Substation operation	.....	.....	220.25	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	443.03	7.74	4,005.97	1,399.95	246.21
Line transformer maintenance	.....	.....	80.55	.....	29.22
Meter maintenance	.....	.....	454.97	.....	85.23
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	16.00	62.34	730.79	113.97	41.50
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	265.98	.....	871.36	.....	427.65
General Office, salaries and expenses	42.65	167.26	2,226.01	2,632.74	417.45
Undistributed expenses	69.93	.....	737.30	268.08	79.08
Truck operation and maintenance	.....	.....	786.97	.....	.....
Interest	171.11	236.63	1,897.77	3,809.55	406.46
Sinking fund and principal payments on debentures	121.64	305.32	1,527.67	1,771.72	240.12
Total expenses	3,613.31	3,013.15	45,996.70	30,669.17	8,543.18
Gross surplus	49.78	661.15	5,833.18	4,882.27	845.06
Gross loss	.....	.....	.....	.....	.....
Depreciation	77.00	187.00	2,868.00	2,241.00	172.00
Net surplus	.....	474.15	2,965.18	2,641.27	673.06
Net loss	27.22	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	82	38	1,018	496	198
Commercial light service	22	19	166	179	70
Power service	2	4	45	24	7
Total	106	61	1,229	699	275

*Erieau and Erie Beach include summer consumers.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Elmira 2,535	Elora 1,174	Embro 458	Erieau 203	Erie Beach 31	Essex 1,721	Etobicoke Twp. 13,744	Exeter 1,582
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
13,505.64	4,769.63	2,226.44	2,666.74	1,098.67	8,128.84	67,600.88	8,553.41
5,895.74	3,065.75	1,164.11	826.96	125.00	5,722.61	17,164.87	4,009.97
13,872.19	8,688.01	1,666.04	.....	.....	4,368.30	9,753.44	6,476.61
946.83	.....	.....	.....	.....	1,272.58	1,737.42	584.38
1,960.00	1,559.98	713.73	430.00	.....	1,506.57	11,747.48	1,881.24
.....	.....	.....	.....	.....	.....	.....	.....
437.21	594.47	95.26	.....	.....	68.09	670.10	1,455.59
36,617.61	18,677.84	5,865.58	3,923.70	1,223.67	21,066.99	108,674.19	22,961.20
25,738.32	11,906.09	4,875.77	2,089.39	702.47	8,237.38	48,244.95	12,453.63
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
1,548.45	1,466.53	152.26	52.15	1.00	100.82	5,793.45	346.94
.....	.....	.....	.....	.....	2.75	749.85	8.30
89.48	40.90	.....	.....	.....	20.53	955.04	1.81
.....	.....	.....	.....	.....	.....	.....	.....
161.18	146.57	59.92	59.23	.....	68.02	1,299.27	283.89
.....	.....	.....	.....	.....	.....	33.23	.....
1,289.86	.....	200.00	161.25	.....	134.52	4,711.10	117.46
736.35	1,362.25	34.47	35.02	213.12	2,632.19	3,874.33	2,730.54
429.47	.....	56.62	55.50	.....	120.50	2,163.57	76.50
333.48	.....	.....	.....	.....	268.86	1,908.99	437.84
1,188.42	418.51	356.72	375.85	194.74	1,047.18	11,672.47	703.48
762.71	542.05	306.56	229.08	89.70	345.73	8,331.03	716.72
32,277.72	15,882.90	6,042.32	3,057.47	1,201.03	12,978.48	89,737.28	17,877.11
4,339.89	2,794.94	.....	866.23	22.64	8,088.51	18,936.91	5,084.09
.....	.....	176.74	.....	.....	.....	.....	.....
1,483.00	791.00	364.00	179.00	56.00	1,023.00	8,199.00	984.00
2,856.89	2,003.94	.....	687.23	.....	7,065.51	10,737.91	4,100.09
.....	.....	540.74	.....	33.36	.....	.....	.....
489	276	91	105	53	385	3,150	421
116	72	40	8	2	120	280	109
18	4	4	.....	.....	17	22	10
623	352	135	113	55	522	3,452	540

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Fergus	Fonthill	Ford City	Forest	Galt
Population	1,780	701	12,689	1,421	12,604
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	9,369.76	3,669.43	73,307.79	8,791.13	100,797.72
Commercial light service	4,398.29	679.35	17,243.72	4,439.46	43,140.98
Commercial power service	6,433.51	430.65	45,183.94	3,536.10	75,151.68
Municipal power	501.48	.....	.....	770.58	5,763.98
Street lighting	2,499.00	660.00	6,081.12	2,213.00	20,895.01
Rural service	.....	.....	.....	.....	.....
Miscellaneous	97.69	.....	.....	945.55	3,797.85
Total earnings	23,299.73	5,439.43	141,816.57	20,695.82	249,547.22
EXPENSES					
Power purchased	13,325.74	2,633.74	90,519.62	9,951.52	150,592.38
Substation operation	.....	.....	.....	.....	4,938.34
Substation maintenance	.....	.....	.....	.....	442.08
Distribution system, operation and maintenance	1,832.59	457.62	7,681.94	695.59	3,491.83
Line transformer maintenance	2.25	.90	.....	.....	92.26
Meter maintenance	89.33	6.78	.....	.....	1,318.30
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	312.07	30.87	1,249.69	352.20	2,457.91
Promotion of business	.....	.....	.....	.....	571.89
Billing and collecting	603.65	.....	.....	603.37	2,528.93
General office, salaries and expenses	758.42	418.28	9,760.57	2,832.40	5,221.25
Undistributed expenses	89.28	.....	.....	.....	4,012.96
Truck operation and maintenance	243.05	.....	.....	387.46	727.31
Interest	1,684.99	1,146.01	7,698.83	555.82	26,013.70
Sinking fund and principal payments on debentures	1,418.15	573.59	3,801.36	1,437.80	17,581.41
Total expenses	20,359.52	5,267.79	120,712.01	16,816.16	219,990.55
Gross surplus	2,940.21	171.64	21,104.56	3,879.66	29,556.67
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,097.00	346.00	4,796.00	1,076.00	15,942.03
Net surplus	1,843.21	.....	16,308.56	2,803.66	13,614.64
Net loss	.....	174.36	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	501	195	2,512	439	3,281
Commercial light service	105	25	254	123	498
Power service	15	3	42	22	122
Total	621	223	2,808	584	3,901

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Georgetown 1,985	Glencoe 802	Goderich 4,211	Granton P.V.	Guelph 19,230	Hagersville 1,231	Hamilton 122,459	Harriston 1,247
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,276.06	4,328.62	20,530.56	1,243.78	82,139.61	3,671.26	598,876.53	4,192.56
4,709.71	2,583.31	9,787.63	719.52	42,931.55	3,588.35	132,469.60	2,979.16
17,156.07	2,082.49	19,069.17	1,496.31	88,319.29	23,682.95	389,636.69	5,283.79
1,347.26	.....	4,602.54	.....	17,432.08	.....	63,650.02	572.43
2,235.14	1,884.00	3,692.50	337.50	15,234.01	1,200.00	89,028.28	1,468.91
.....	.....	.....	.....	.....	.....	.....	.....
1,472.86	133.97	888.57	115.03	8,172.80	514.31	13,460.42	15.12
36,197.10	11,012.39	58,570.97	3,912.14	254,229.34	32,656.87	1,287,121.54	14,511.97
22,615.60	6,610.83	35,747.98	2,646.78	168,637.65	23,979.93	833,924.59	9,816.04
.....	.....	3,361.65	.....	.....	.....	26,096.17	.....
.....	.....	.....	.....	1,896.91	.....	3,263.31	.....
1,432.99	423.38	1,623.12	.....	3,530.78	1,599.99	25,435.09	805.97
16.57	.....	.....	.....	121.07	12.05	3,270.86	.....
13.20	.....	489.58	.....	3,916.38	.....	12,753.65	43.80
.....	.....	.....	.....	.....	.....	7,226.77	.....
152.44	198.15	459.86	.....	5,233.58	131.91	9,156.90	37.20
.....	.....	.....	.....	921.91	.....	8,188.27	.....
.....	425.00	542.56	.....	4,108.70	891.15	28,278.87	.....
2,747.02	619.61	2,115.44	123.04	5,267.17	732.48	44,187.79	761.48
387.80	79.66	894.59	50.00	4,597.54	203.23	12,531.00	.....
318.51	.....	145.94	.....	1,576.50	241.99	3,237.91	78.50
961.52	794.43	2,449.25	171.44	3,292.33	271.89	115,627.95	727.05
539.58	711.80	2,149.01	84.03	5,056.56	278.91	88,983.36	981.88
29,185.23	9,862.86	49,978.98	3,075.29	208,157.08	28,343.53	1,222,162.49	13,251.92
7,011.87	1,149.53	8,591.99	836.85	46,072.26	4,313.34	64,959.05	1,260.05
.....	.....	.....	.....	.....	.....	.....	.....
938.00	640.00	1,409.00	175.00	11,452.00	746.00	49,748.91	684.00
6,073.87	509.53	7,182.99	661.85	34,620.26	3,567.34	15,210.14	576.05
.....	.....	.....	.....	.....	.....	.....	.....
635	215	1,061	76	4,706	259	27,642	284
125	70	199	29	664	95	2,941	89
25	5	18	1	118	13	765	10
785	290	1,278	106	5,488	367	31,348	383

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Harrow P.V.	Hensall	Hespeler	Highgate	Humberstone
Population		786	2,804	399	2,144
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,721.50	3,108.90	14,338.89	1,524.13	7,538.19
Commercial light service	3,012.98	1,251.14	4,766.36	1,002.14	2,785.48
Commercial power service	2,700.64	2,914.59	16,325.31	2,773.91	3,904.38
Municipal power	.....	.....	830.19	.....	.....
Street lighting	742.00	807.00	1,949.00	517.89	1,353.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	276.79	602.84	190.39	.....
Total earnings	11,177.12	8,358.42	38,812.59	6,008.46	15,581.05
EXPENSES					
Power purchased	5,656.56	4,359.12	24,122.84	4,187.08	7,419.02
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	703.33	.....	.....
Distribution system, operation and maintenance	416.12	145.62	1,987.65	169.14	479.67
Line transformer maintenance	16.25	.....	57.84	.....	.....
Meter maintenance	.....	.....	9.06	.....	46.32
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	87.88	27.75	74.96	108.14	124.54
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	305.00	.....
General office, salaries and expenses	340.10	662.61	1,854.40	157.52	649.44
Undistributed expenses	.....	.....	514.09	57.96	.....
Truck operation and maintenance	.....	.....	341.32	.....	.....
Interest	635.41	544.84	2,269.56	202.94	1,758.60
Sinking fund and principal payments on debentures	366.52	317.59	1,432.21	123.72	1,600.00
Total expenses	7,518.84	6,057.53	33,367.26	5,311.50	12,077.59
Gross surplus	3,658.28	2,300.89	5,445.33	696.96	3,503.46
Gross loss	.....	.....	.....	.....	.....
Depreciation	444.00	458.00	1,842.00	250.00	701.00
Net surplus	3,214.28	1,842.89	3,603.33	446.96	2,802.46
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	177	159	655	90	368
Commercial light service	55	51	110	37	58
Power service	6	12	18	6	8
Total	238	222	783	133	434

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Ingersoll 5,047	Jarvis 472	Kingsville 2,193	Kitchener 25,592	Lambeth P.V.	La Salle 583	Leamington 4,576	Listowel 2,515
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
29,952.75	1,341.54	11,676.26	154,096.59	2,867.51	6,814.29	19,099.09	12,392.65
13,041.65	1,145.87	6,611.21	85,171.25	802.76	2,550.70	12,742.56	6,653.06
23,595.33	4,488.80	3,400.16	215,644.02	.....	.....	4,596.16	8,659.37
1,673.39	.....	1,028.32	28,020.47	312.92	.....	1,496.25	1,247.07
4,167.00	644.00	4,822.00	32,573.70	439.00	1,036.69	5,279.59	3,247.83
.....	.....	.....	.....	.....	.....	.....	.....
2,052.55	29.27	1,314.40	5,228.34	42.36	.....	1,448.77	496.05
74,482.67	7,649.48	28,852.35	520,734.37	4,464.55	10,401.68	44,622.42	32,696.03
51,983.53	5,190.67	13,231.91	346,201.04	2,919.08	4,522.01	20,767.84	20,714.82
1,371.64	.....	.....	8,060.59	.....	.....	.....	.....
.....	.....	.....	2,881.67	.....	.....	.....	.....
2,636.55	48.41	3,160.67	15,666.70	33.91	642.53	4,306.75	2,629.36
70.20	.....	37.16	1,397.39	.....	.65	4.59	94.20
177.25	.....	78.69	3,885.00	.....	.....	44.72	392.80
.....	.....	.....	168.97	.....	.....	.....	.....
782.32	12.70	618.46	5,961.07	53.78	50.39	568.92	344.51
.....	.....	.....	1,157.96	.....	.....	.....	.....
1,003.92	397.68	1,036.51	7,918.07	.....	.....	201.78	.....
2,898.07	60.40	574.89	10,257.17	188.25	788.43	2,803.79	1,659.88
1,349.37	59.33	475.10	4,761.98	.....	.....	494.38	.....
600.59	.....	195.34	2,385.22	.....	.....	599.95	.....
3,371.12	525.04	2,040.57	16,977.44	226.98	869.81	2,801.90	1,234.17
1,677.35	353.59	476.11	18,888.44	101.81	446.64	1,466.14	2,663.79
67,921.91	6,647.82	21,925.41	446,568.71	3,523.81	7,320.46	34,060.76	29,733.53
6,560.76	1,001.66	6,926.94	74,165.66	940.74	3,081.22	10,601.66	2,962.50
.....	.....	.....	.....	.....	.....	.....	.....
3,433.00	274.00	1,258.00	22,221.00	246.00	443.00	2,033.00	1,745.00
3,127.76	727.66	5,668.94	51,944.66	694.74	2,638.22	8,568.66	1,217.50
.....	.....	.....	.....	.....	.....	.....	.....
1,286	32	652	5,813	98	140	1,183	642
241	76	142	827	18	22	223	151
45	4	18	231	2	.....	21	22
1,572	112	812	6,871	118	162	1,427	815

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	London	London Twp.	Lucan	Lynden P.V.	Markham
Population	64,274	7,431	538		945
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	376,867.48	7,699.61	4,028.73	1,600.41	4,396.22
Commercial light service	173,676.42	733.36	1,156.98	803.08	2,203.30
Commercial power service	352,155.69	1,060.18	2,682.58	3,346.54	2,969.21
Municipal power	29,327.04	.....	.....	.....	204.68
Street lighting	41,996.88	552.00	1,005.00	392.08	1,430.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	26,324.02	.....	406.76	123.50	205.69
Total earnings	1,000,347.53	10,045.15	9,280.05	6,265.61	11,409.10
EXPENSES					
Power purchased	573,198.70	5,309.53	5,321.34	4,843.09	6,027.07
Substation operation	14,963.53	.....	.....	.....	.....
Substation maintenance	10,838.29	.....	.....	.....	.....
Distribution system, operation and maintenance	6,920.79	412.79	1,083.03	185.91	1,287.25
Line transformer maintenance	2,220.11	.....	.....	.....	.....
Meter maintenance	10,291.57	.....	.....	.....	.....
Consumers' premises expenses	2,407.66	.....	.....	.....	.....
Street lighting, operation and maintenance	4,923.87	101.08	74.63	41.72	82.73
Promotion of business	3,155.91	.....	.....	.....	.....
Billing and collecting	18,748.45	.....	.....	150.00	.....
General office, salaries and expenses	33,385.40	582.45	551.29	22.27	903.36
Undistributed expenses	18,736.99	.....	.....	.....	.....
Truck operation and maintenance	1,548.05	.....	.....	.....	.....
Interest	73,523.19	846.92	353.41	197.95	403.56
Sinking fund and principal payments on debentures	54,526.41	512.48	470.27	111.83	797.09
Total expenses	829,388.92	7,765.25	7,853.97	5,552.77	9,501.06
Gross surplus	170,958.61	2,279.90	1,426.08	712.84	1,908.04
Gross loss	.....	.....	.....	.....	.....
Depreciation	74,653.12	430.00	443.00	77.00	460.00
Net surplus	96,305.49	1,849.90	983.08	635.84	1,448.04
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	16,065	276	165	78	222
Commercial light service	2,213	9	38	19	59
Power service	495	2	10	1	9
Total	18,773	287	213	98	290

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Merlin P.V.	Merritton 2,601	Milton 1,963	Milverton 992	Mimico 5,244	Mitchell 1,720	Moorefield P.V.	Mount Brydges P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,765.67	10,622.20	9,690.34	3,595.46	44,317.15	7,479.44	767.73	2,539.34
1,359.54	1,789.36	4,243.34	2,026.03	7,375.56	3,692.71	882.56	383.57
4,549.34	12,170.55	30,159.26	17,044.45	5,569.19	5,872.12	1,421.01	666.52
.....	.....	.....	342.59	3,580.92	846.59	.....	.....
688.00	2,565.00	2,099.94	976.50	5,426.29	1,926.00	400.00	440.00
.....	.....	.....	.....	.....	.....	.....	.....
205.38	.....	1,920.99	230.38	1,313.10	1,687.32	49.10	220.62
8,567.93	27,147.11	48,113.87	24,215.41	67,582.21	21,504.18	3,520.40	4,250.05
5,357.89	17,014.03	29,673.36	17,014.66	37,698.22	11,413.07	2,199.89	2,141.16
.....	.....	240.90	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	499.92	.....	.....
50.07	3,439.12	2,547.00	423.27	6,533.33	694.72	30.68	138.98
.....	.....	36.37	6.50	.....	.....	.....	.....
.....	79.75	.....	58.07	.....	17.77	33.00	.....
.....	.....	.....	.....	.....	.....	.....	.....
55.20	349.49	157.88	68.37	359.06	248.34	5.35	56.46
.....	.....	.....	.....	.....	.....	.....	.....
310.00	.....	218.81	.....	1,224.55	.....	.....	.....
24.37	1,844.57	1,217.79	918.58	2,215.67	2,137.27	160.23	419.42
60.00	92.16	402.72	90.15	941.90	412.34	.....	.....
.....	313.77	379.51	.....	444.10	225.90	.....	.....
705.47	477.22	2,503.50	412.74	4,487.29	171.70	176.58	179.78
473.58	727.82	1,197.60	491.07	3,074.78	507.64	207.83	110.58
7,036.58	24,337.93	38,575.44	19,483.41	56,978.90	16,328.67	2,813.56	3,046.38
1,531.35	2,809.18	9,538.43	4,732.00	10,603.31	5,175.51	706.84	1,203.67
.....	.....	.....	.....	.....	.....	.....	.....
267.00	1,107.00	1,374.00	586.00	3,650.00	2,109.00	143.00	222.00
1,264.35	1,702.18	8,164.43	4,146.00	6,953.31	3,066.51	563.84	981.67
.....	.....	.....	.....	.....	.....	.....	.....
96	600	442	203	1,464	427	41	111
37	55	93	70	121	114	31	27
4	4	23	9	16	24	2	4
137	659	558	282	1,601	565	74	142

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Newbury	New Hamburg	New Toronto	Niagara Falls	Niagara-on-the-Lake
Population	285	1,376	4,219	17,380	1,613
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	839.63	7,503.73	23,060.64	127,762.79	10,201.72
Commercial light service	392.14	3,479.89	7,386.43	48,109.33	2,757.95
Commercial power service	726.65	7,189.14	99,308.94	62,829.70	1,986.16
Municipal power	.....	.....	12,967.00	15,071.86	.....
Street lighting	736.00	2,180.00	5,301.95	29,929.54	2,407.18
Rural service	.....	.....	.....	.....	.....
Miscellaneous	46.63	877.96	2,110.84	50.00	.....
Total earnings	2,741.05	21,230.72	150,135.80	283,753.22	17,353.01
EXPENSES					
Power purchased	1,527.55	14,617.58	119,041.25	152,193.31	9,377.14
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	125.96	.....	6,580.91	.....
Distribution system, operation and maintenance	14.73	635.37	4,941.92	4,890.50	1,949.90
Line transformer maintenance	.....	4.83	.....	845.71	.....
Meter maintenance	.....	143.29	.....	2,673.75	44.12
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	.....	233.81	570.09	4,481.84	385.42
Promotion of business	.....	.....	188.06	118.11	327.21
Billing and collecting	.....	681.62	3,045.59	5,429.81	.....
General office, salaries and expenses	212.79	906.84	3,664.23	9,577.71	1,679.46
Undistributed expenses	.....	425.65	3,022.77	5,840.32	.....
Truck operation and maintenance	.....	139.13	.....	687.40	.....
Interest	450.00	587.27	293.35	21,871.57	491.04
Sinking fund and principal payments on debentures	400.00	591.39	227.05	22,411.06	1,577.14
Total expenses	2,605.07	19,092.74	134,994.31	237,602.00	15,831.43
Gross surplus	135.98	2,137.98	15,141.49	46,151.22	1,521.58
Gross loss	.....	.....	.....	.....	.....
Depreciation	210.00	1,066.00	3,225.00	16,819.00	728.00
Net surplus	.....	1,071.98	11,916.49	29,332.22	793.58
Net loss	74.02	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	59	320	1,058	4,103	397
Commercial light service	22	87	114	638	67
Power service	1	14	25	83	7
Total	82	421	1,197	4,824	471

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Norwich 1,328	Oil Springs 449	Otterville P.V.	Palmerston 1,573	Paris 4,234	Parkhill 1,091	Petrolia 2,638	Plattsville P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,039.30	1,334.97	2,052.93	7,688.67	20,003.25	4,205.93	10,057.20	1,722.96
2,791.64	827.48	1,065.46	3,965.99	6,170.43	2,479.15	6,810.29	860.99
2,139.15	10,861.06	1,239.33	6,493.11	13,818.64	1,003.01	23,020.43	322.09
774.11	.....	74.46	1,735.46	1,225.00	546.02	5,659.32	.....
1,910.00	685.30	403.00	1,411.92	5,728.50	1,412.50	2,529.96	544.50
.....	.....	.....	.....	.....	.....	.....	.....
1,619.47	796.47	106.04	187.06	1,160.44	.....	1,891.00	.....
15,273.67	14,505.28	4,941.22	21,482.21	48,106.26	9,646.61	49,968.20	3,450.54
8,613.11	9,561.24	3,038.76	14,290.78	32,521.40	6,365.82	33,125.47	2,398.46
.....	.....	.....	.....	77.73	.....	.....	.....
.....	.....	.....	.....	.....	.....	20.00	.....
1,503.14	953.96	54.20	1,283.96	5,168.96	214.41	3,223.33	175.83
8.68	.....	.....	2.12	137.20	.....	64.82	.....
150.50	.....	.....	66.97	297.68	.....	27.81	.....
.....	.....	.....	.....	.....	.....	.....	.....
254.32	54.84	15.51	109.22	418.02	.....	547.73	34.70
.....	.....	.....	.....	.....	.....	.....	.....
736.49	.....	212.70	.....	417.50	.....	713.69	187.03
580.12	1,711.24	37.07	825.55	1,171.36	384.94	3,865.21	39.82
372.05	310.00	60.57	250.01	909.68	.....	370.50	56.22
.....	258.60	.....	282.87	.....	.....	504.71	.....
472.98	722.77	160.11	591.40	1,524.15	664.17	2,154.82	222.15
421.87	795.33	232.22	604.31	1,909.30	697.59	1,601.01	141.54
13,113.26	14,367.98	3,811.14	18,307.19	44,552.98	8,326.93	46,219.10	3,255.75
2,160.41	137.30	1,130.08	3,175.02	3,553.28	1,319.68	3,749.10	194.79
.....	.....	.....	.....	.....	.....	.....	.....
567.00	584.00	266.00	845.00	1,619.00	555.00	2,204.00	74.00
1,593.41	.....	864.08	2,330.02	1,934.28	764.68	1,545.10	120.79
.....	446.70	.....	.....	.....	.....	.....	.....
335	67	112	365	1,075	205	631	75
84	31	35	93	187	71	180	27
8	37	4	8	22	4	68	2
427	135	151	466	1,284	280	879	104

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Point Edward	Port Colborne	Port Credit	Port Dalhousie	Port Dover
Population	1,442	5,352	1,247	1,563	1,642
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,163.39	24,926.50	8,990.78	9,586.72	5,441.33
Commercial light service	1,568.83	11,362.24	3,953.48	1,705.68	3,858.77
Commercial power service	16,862.06	11,022.17	654.03	4,122.00	4,788.93
Municipal power	.....	2,313.26	817.51	.....	.....
Street lighting	783.00	3,947.34	1,679.00	1,360.00	2,186.41
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	578.65	.....	166.05	51.04
Total earnings	24,377.28	54,150.16	16,094.80	16,940.45	16,326.48
EXPENSES					
Power purchased	15,793.94	29,324.87	10,590.75	8,797.60	8,721.77
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	159.51	2,065.35	584.58	1,847.66	433.87
Line transformer maintenance	6.90	22.64	.....	.....	.....
Meter maintenance	10.70	554.05	.....	31.63	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	54.65	487.92	284.78	160.10	210.28
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	474.75
General office, salaries and expenses	720.91	4,461.47	885.26	1,681.98	87.40
Undistributed expenses	.....	645.41	.....	.....	134.28
Truck operation and maintenance	.....	998.32	.....	179.18	99.50
Interest	644.01	5,580.64	466.50	925.93	1,352.81
Sinking fund and principal payments on debentures	666.69	4,298.86	223.54	986.15	1,539.40
Total expenses	18,057.31	48,439.53	13,035.41	14,610.23	13,054.06
Gross surplus	6,319.97	5,710.63	3,059.39	2,330.22	3,272.42
Gross loss	.....	.....	.....	.....	.....
Depreciation	705.00	2,734.00	906.00	666.00	894.00
Net surplus	5,614.97	2,976.63	2,153.39	1,664.22	2,378.42
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	276	1,044	338	548	302
Commercial light service	44	222	71	43	119
Power service	14	19	5	11	11
Total	334	1,285	414	602	432

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Port Rowan 696	Port Stanley 692	Preston 5,649	Princeton P.V.	Queenston P.V.	Richmond Hill 1,211	Ridgetown 1,942	Riverside 3,612
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
837.13	8,678.66	38,433.70	1,838.54	2,451.01	5,253.98	8,647.61	41,608.85
1,330.44	2,622.76	19,317.74	821.63	188.55	2,736.14	4,492.22	5,882.03
.....	3,523.71	41,893.89	274.23	708.66	2,574.22	4,043.09	10,177.72
.....	533.84	936.00	.....	.....	360.62	704.18	.....
819.00	1,980.00	4,987.76	384.00	532.66	1,341.00	2,426.34	2,319.89
.....	.....	1,604.03	.....	.....	.....	.....	.....
.....	380.31	144.27	19.97	33.82	228.07	1,919.35	.....
2,986.57	17,719.28	107,317.39	3,338.37	3,914.70	12,494.03	22,232.79	59,988.49
4,087.18	10,666.83	72,770.21	1,905.41	2,231.98	6,788.53	12,012.69	30,326.58
.....	.....	879.65	.....	.....	.....	.....	.....
.....	.....	4,068.13	.....	.....	.....	.....	.....
22.97	1,566.06	4,770.88	58.20	13.00	1,501.21	1,869.76	4,937.42
.....	8.80	190.30	.....	.....	.....	17.31	.....
11.61	77.55	1,515.67	.....	.....	.....	3.72	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	97.65	519.07	10.61	32.17	115.29	160.97	744.42
.....	.....	.....	.....	.....	.....	.....	.....
121.64	554.21	1,023.62	182.02	.....	.....	635.40	.....
33.32	461.89	1,582.72	4.35	389.90	736.74	1,296.03	4,979.38
50.00	199.74	750.33	.....	.....	.....	395.08	.....
.....	140.61	883.89	.....	.....	.....	.....	.....
307.04	619.92	4,845.42	137.84	494.23	445.18	559.39	4,680.40
651.99	612.90	3,654.00	95.95	291.04	494.68	1,215.58	2,654.00
5,285.75	15,006.16	97,453.89	2,394.38	3,452.32	10,081.63	18,165.93	48,322.20
.....	2,713.12	9,863.50	943.99	462.38	2,412.40	4,066.86	11,666.29
2,299.18	.....	.....	.....	.....	.....	.....	.....
.....	851.00	5,984.00	155.00	229.00	337.00	1,041.00	2,498.00
.....	1,862.12	3,879.50	788.99	233.38	2,075.40	3,025.86	9,168.29
2,299.18	.....	.....	.....	.....	.....	.....	.....
45	567	1,466	78	60	307	504	941
28	75	220	19	7	50	126	58
.....	10	52	1	1	12	20	8
73	652	1,738	98	68	369	650	1,007

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Rockwood P.V.	Rodney	St. Catharines	St. Clair Beach	St. George P.V.
Population		691	22,043	130	
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,123.13	2,512.70	116,155.76	1,736.81	1,893.67
Commercial light service	710.40	1,777.51	25,976.09	1,674.62	671.99
Commercial power service	364.45	1,802.46	74,473.54	287.23	1,821.09
Municipal power	.....	.....	.....	.....	.....
Street lighting	745.00	830.04	22,474.55	.....	288.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	38.70	343.00	3,406.52	.....	437.99
Total earnings	3,981.68	7,265.71	242,486.46	3,698.66	5,112.74
EXPENSES					
Power purchased	2,623.98	4,493.12	152,286.80	1,809.88	4,162.79
Substation operation	.....	.....	3,954.00	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	97.04	299.33	16,144.67	419.84	47.65
Line transformer maintenance	.....	.....	685.41	.....	12.92
Meter maintenance	23.25	.....	1,181.96	.....	8.77
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	43.29	60.56	2,690.35	.....	100.69
Promotion of business	.....	.....	1,461.48	.....	.....
Billing and collecting	.....	380.48	5,360.47	.....	381.52
General office, salaries and expenses	486.63	126.07	11,624.03	201.35	41.35
Undistributed expenses	.....	66.18	3,110.99	.....	105.50
Truck operation and maintenance	.....	.....	3,367.64	.....	.....
Interest	.....	384.42	8,667.12	268.07	255.35
Sinking fund and principal payments on debentures	.....	200.42	7,603.00	222.38	157.48
Total expenses	3,274.19	6,010.58	218,137.92	2,921.52	5,274.02
Gross surplus	707.49	1,255.13	24,348.54	777.14	.....
Gross loss	.....	.....	.....	.....	161.28
Depreciation	321.00	348.00	12,141.00	198.00	253.00
Net surplus	386.49	907.13	12,207.54	579.14	.....
Net loss	.....	.....	.....	.....	414.28
NUMBER OF CONSUMERS					
Domestic service	120	180	5,371	35	119
Commercial light service	30	72	542	8	33
Power service	2	4	125	2	4
Total	152	256	6,038	45	156

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

St. Jacobs P.V.	St. Marys 4,037	St. Thomas 16,746	Sandwich 8,077	Sarnia 16,058	Scarboro Twp. 15,325	Seaforth 1,808	Simcoe 4,354
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,283.12	21,137.31	80,849.13	101,530.75	89,306.61	62,394.42	9,556.22	10,435.32
1,050.77	7,731.36	41,244.75	18,508.86	40,114.94	13,109.37	4,546.68	13,821.90
3,057.97	20,501.97	54,994.56	9,042.76	122,339.57	14,906.68	5,625.61	11,664.80
.....	1,764.62	6,238.67	.....	.....	6,463.43	552.56	2,161.26
516.00	3,567.00	14,055.21	7,991.34	11,922.52	9,691.69	1,573.33	3,048.23
.....	.....	.....	.....	.....	.....	.....	.....
116.74	1,931.28	2,922.19	104.15	2,591.08	.....	1,077.59	90.03
7,024.60	56,633.54	200,304.51	137,177.86	266,274.72	106,565.59	22,931.99	41,221.54
4,969.00	39,282.20	120,695.05	85,686.99	166,806.19	54,424.43	14,446.39	26,532.71
.....	1,315.46	6,462.28	.....	3,703.50	.....	.....	.....
.....	6.73	467.12	.....	353.02	.....	.....	278.24
8.50	1,338.36	5,696.18	1,935.38	3,519.13	7,689.91	2,622.56	3,448.68
.....	32.98	198.98	350.25	612.93	1,171.63	.....	4.00
.....	176.67	1,368.27	560.54	671.66	415.20	51.55	40.83
.....	.....	915.56	.....	.....	.....	.....	.....
46.95	468.12	2,723.43	1,368.42	2,370.08	1,487.33	359.03	724.42
.....	.....	364.22	.....	.....	.....	.....	.....
.....	1,206.05	4,012.44	5,308.02	4,277.47	4,152.30	.....	1,255.47
379.77	2,510.64	11,579.58	4,761.74	8,515.11	4,997.09	1,673.39	1,181.32
.....	618.17	4,458.67	1,021.51	5,349.15	1,763.67	.....	456.11
.....	308.62	2,376.27	1,361.21	3,099.81	2,135.36	56.85	390.53
223.46	2,332.54	2,910.38	7,225.70	12,891.04	10,306.28	1,256.00	2,205.50
278.63	2,488.09	3,984.04	4,598.36	14,491.23	6,914.19	445.75	1,367.43
5,906.31	52,084.63	168,212.47	114,178.12	226,660.32	95,457.39	20,911.52	37,885.24
1,118.29	4,548.91	32,092.04	22,999.74	39,614.40	11,108.20	2,020.47	3,336.30
.....	.....	.....	.....	.....	.....	.....	.....
246.00	1,368.00	11,526.00	3,879.00	13,866.00	6,612.04	1,695.00	1,901.00
872.29	3,180.91	20,566.04	19,120.74	25,748.40	4,496.16	325.47	1,435.30
.....	.....	.....	.....	.....	.....	.....	.....
102	981	3,998	2,578	4,298	3,159	572	698
32	194	632	176	576	227	127	238
6	42	104	29	77	26	13	32
140	1,217	4,734	2,783	4,951	3,412	712	968

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Springfield	Stamford Twp.	Stouffville	Stratford	Strathroy
Population	405	5,767	1,067	19,064	2,556
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,070.33	36,834.48	4,698.18	135,506.36	14,813.79
Commercial light service	651.76	3,046.07	2,527.35	44,734.92	7,558.49
Commercial power service	3,822.53	4,059.43	1,542.06	45,076.32	10,012.64
Municipal power	.....	1,160.18	.....	8,099.03	1,622.21
Street lighting	705.00	5,421.82	1,522.00	16,273.74	3,342.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	56.14	2,562.82	247.74	11,009.87	1,014.97
Total earnings	7,305.76	53,084.80	10,537.33	260,700.24	38,364.10
EXPENSES					
Power purchased	3,773.89	22,105.10	4,969.69	168,556.27	22,187.59
Substation operation	.....	188.04	.....	4,855.70	71.61
Substation maintenance	.....	.....	.....	1,061.66	1.48
Distribution system, operation and maintenance	167.41	1,950.77	580.23	6,617.43	403.83
Line transformer maintenance	47.63	.....	.....	98.44	38.06
Meter maintenance	.....	120.07	.....	1,894.80	83.94
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	61.32	650.95	42.17	1,802.03	342.21
Promotion of business	.....	.....	.....	.....	129.06
Billing and collecting	240.50	1,715.23	.....	3,658.87	1,035.11
General office, salaries and expenses	115.77	4,289.32	437.23	5,860.44	2,887.21
Undistributed expenses	62.37	557.27	.....	3,382.85	37.50
Truck operation and maintenance	.....	1,232.33	.....	1,163.24	110.00
Interest	.....	5,697.03	863.40	21,775.00	1,413.55
Sinking fund and principal payments on debentures	.....	3,917.71	1,097.18	10,022.36	2,126.52
Total expenses	4,468.89	42,423.82	7,989.90	230,749.09	30,867.67
Gross surplus	2,836.87	10,660.98	2,547.43	29,951.15	7,496.43
Gross loss	.....	.....	.....	.....	.....
Depreciation	254.00	3,462.00	452.00	15,310.00	2,482.00
Net surplus	2,582.87	7,198.98	2,095.43	14,641.15	5,014.43
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	89	1,193	243	4,174	731
Commercial light service	25	84	75	572	157
Power service	4	12	4	143	27
Total	118	1,289	322	4,889	915

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Sutton 854	Tavistock 1,003	Tecumseh 1,786	Thamesford P.V.	Thamesville 822	Thedford 480	Thorndale P.V.	Thorold 5,328
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,544.77	5,613.26	13,706.77	1,763.41	3,531.41	2,103.17	1,756.29	17,667.06
2,251.21	1,326.24	2,907.77	1,280.21	2,665.61	1,156.35	739.84	6,113.31
565.44	8,396.94	196.46	3,580.54	2,626.81	889.18	1,275.24	8,004.26
.....	452.87	.....	.....	.....	.....	.....	3,557.15
1,560.00	1,214.11	842.39	480.00	994.00	1,139.00	419.75	4,036.00
.....	.....	.....	.....	740.34	.....	.....	.....
.....	411.77	.....	337.57	.....	276.40	.....	913.97
9,921.42	17,415.19	17,653.39	7,441.73	10,558.17	5,564.10	4,191.12	40,291.75
6,071.77	13,373.97	7,695.52	4,446.43	5,647.83	3,237.86	2,661.67	21,349.57
.....	.....	.....	.....	.....	.....	.....	2,465.80
.....	.....	.....	.....	.....	.....	.....	.....
412.08	530.26	2,467.31	65.59	165.30	229.86	36.75	2,067.42
.....	.....	.....	.....	.....	.....	.....	9.30
.....	6.95	.....	6.29	.....	.....	.....	141.89
.....	.....	.....	.....	.....	.....	.....	.....
77.07	137.10	298.62	67.38	170.41	27.07	15.82	239.17
.....	.....	.....	.....	.....	.....	.....	.....
.....	360.00	.....	201.75	203.09	.....	.....	.....
464.44	201.55	2,238.96	54.78	251.83	189.74	191.82	2,849.56
.....	104.91	.....	56.58	66.42	.....	.....	442.46
.....	.....	.....	.....	.....	.....	.....	124.93
1,248.46	245.92	1,624.87	181.53	679.92	843.84	96.45	209.61
976.62	147.10	899.64	317.01	150.07	600.26	64.35	478.91
9,250.44	15,107.76	15,224.92	5,397.34	7,334.87	5,128.63	3,066.86	30,378.62
670.98	2,307.43	2,428.47	2,044.39	3,223.30	435.47	1,124.26	9,913.13
.....	.....	.....	.....	.....	.....	.....	.....
570.00	506.00	905.00	354.00	530.00	265.00	180.00	2,256.00
100.98	1,801.43	1,523.47	1,690.39	2,693.30	170.47	944.26	7,657.13
.....	.....	.....	.....	.....	.....	.....	.....
320	239	376	111	214	122	69	1,171
56	63	44	30	70	39	21	190
3	5	3	6	7	2	1	11
379	307	423	147	291	163	91	1,372

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Tilbury	Tillsonburg	Toronto	Toronto Twp.	Trafalgar Twp.
Population	1,987	3,119	549,429	7,973	3,898
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,468.78	12,230.09	2,569,533.09	45,039.20	9,882.04
Commercial light service	5,117.26	10,553.35	2,323,219.62	8,688.59	649.41
Commercial power service	12,354.60	12,605.22	2,764,732.15	6,474.36	1,190.92
Municipal power	393.70	300.00	1,427,810.34	.....	.....
Street lighting	1,048.99	3,086.25	476,037.12	3,797.38	.....
Rural service	.....	.....	.....	.....	.....
Miscellaneous	1,065.36	2,074.16	322,357.45	.....	52.49
Total earnings	25,448.69	40,849.07	9,883,689.77	63,999.53	11,774.86
EXPENSES					
Power purchased	14,694.14	23,580.10	4,877,568.91	26,023.07	5,508.00
Substation operation	.....	1,130.18	231,812.53	.....	.....
Substation maintenance	.....	.....	214,864.36	.....	.....
Distribution system, operation and maintenance	1,119.56	1,250.71	294,100.29	3,548.57	1,877.88
Line transformer maintenance	.....	37.32	69,695.31	8.10	.....
Meter maintenance	.....	269.78	109,272.62	95.96	.....
Consumers' premises expenses	.....	.....	252,374.97	.....	.....
Street lighting, operation and maintenance	40.99	289.37	145,989.09	660.24	.....
Promotion of business	.....	1.15	189,119.69	.....	.....
Billing and collecting	632.75	1,186.07	317,662.00	2,628.86	.....
General office, salaries and expenses	477.34	2,925.85	292,739.57	4,453.08	1,437.65
Undistributed expenses	140.64	585.38	248,585.86	964.80	.....
Truck operation and maintenance	.....	.....	.....	1,262.96	260.30
Interest	599.09	865.00	1,194,833.88	4,002.30	1,000.06
Sinking fund and principal payments on debentures	476.22	1,170.28	849,872.79	3,056.66	673.53
Total expenses	18,180.73	33,219.19	9,288,491.87	46,704.60	10,757.42
Gross surplus	7,267.96	7,557.88	595,197.90	17,294.93	1,017.44
Gross loss	.....	.....	.....	.....	.....
Depreciation	673.00	2,366.00	555,924.50	5,322.00	780.00
Net surplus	6,594.96	5,191.88	39,273.40	11,972.93	237.44
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	332	764	130,551	1,327	207
Commercial light service	109	215	23,761	137	2
Power service	14	28	4,633	16	12
Total	455	1,007	158,945	1,480	221

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Walkerville 9,071	Wallaceburg 4,074	Wardsville 201	Waterdown 849	Waterford 1,061	Waterloo 6,789	Watford 1,012	Welland 9,233
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
94,449.28	15,159.27	953.15	3,927.68	5,069.63	46,290.06	5,731.17	51,840.24
31,431.19	8,099.47	813.83	759.93	1,882.71	17,027.43	3,248.70	29,880.12
83,633.82	89,964.54	.....	1,549.16	5,856.33	30,634.93	2,268.16	67,234.61
.....	1,220.78	.....	143.35	.....	3,428.64	426.29	3,481.84
13,101.82	2,939.91	680.00	957.00	1,584.60	6,437.16	1,144.20	7,571.80
.....	906.43	.....	.....	.....	1,535.67	.....	.....
35,885.19	1,796.64	90.54	311.56	273.21	1,431.69	248.09	7,664.09
258,501.30	120,087.04	2,537.52	7,648.68	14,666.48	106,785.58	13,066.61	167,672.70
132,457.30	84,570.52	1,358.80	4,381.57	10,093.24	70,357.58	8,083.56	72,537.44
7,238.89	.....	.....	.....	.....	2,528.67	.....	4,567.00
1,130.56	720.68	.....	.....	.....	40.32	.....	32.71
3,984.18	2,534.78	32.40	790.75	480.09	2,879.24	1,172.84	5,753.14
378.26	316.54	.....	.....	.....	88.37	.....	258.48
3,204.90	122.15	.....	.....	45.99	298.57	.....	2,345.38
2,611.97	.....	.....	.....	.....	.....	.....	.....
2,385.42	949.54	1.00	114.57	230.22	1,416.73	80.19	533.06
.....	.....	.....	.....	.....	.....	.....	.....
6,538.65	921.00	.....	.....	502.00	1,728.97	.....	3,934.75
10,904.57	4,258.55	122.11	961.57	420.46	5,404.71	654.80	7,584.93
7,394.31	2,624.29	.....	.....	138.11	787.00	90.87	1,786.67
1,845.01	684.50	.....	.....	.....	475.33	46.43	2,059.95
12,705.73	3,584.11	380.14	143.95	.....	4,554.35	319.96	17,950.30
11,096.29	1,187.71	291.08	389.32	.....	3,645.54	516.83	7,789.66
203,876.04	102,474.37	2,185.53	6,781.73	11,910.11	94,205.38	10,965.48	127,133.47
54,625.26	17,612.67	351.99	866.95	2,756.37	12,580.20	2,101.13	40,539.23
.....	.....	.....	.....	.....	.....	.....	.....
11,345.00	3,478.00	156.00	632.00	725.00	6,661.00	583.00	9,368.44
43,280.26	14,134.67	195.99	234.95	2,031.37	5,919.20	1,518.13	31,170.79
.....	.....	.....	.....	.....	.....	.....	.....
2,325	910	48	200	299	1,616	262	2,125
327	200	17	27	75	198	76	397
97	28	.....	5	13	67	6	80
2,749	1,138	65	232	387	1,881	344	2,602

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Wellesley P.V.	West Lorne	Weston	Wheatley	Windsor
Population		840	4,002	682	56,433
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,934.06	2,469.19	25,706.59	3,243.76	502,438.86
Commercial light service	757.52	1,618.67	6,075.43	2,756.31	225,153.40
Commercial power service	2,927.40	8,138.35	43,534.28	1,136.32	186,301.85
Municipal power	.....	.....	1,617.24	.....	29,840.72
Street lighting	720.00	991.68	7,980.43	954.75	73,963.56
Rural service	.....	.....	4,518.68	.....	.....
Miscellaneous	58.87	123.81	227.69	64.19	752.25
Total earnings	6,397.85	13,341.70	89,660.34	8,155.33	1,018,450.64
EXPENSES					
Power purchased	5,169.40	12,241.36	59,385.41	3,957.99	604,253.94
Substation operation	.....	.....	.....	.....	16,580.77
Substation maintenance	.....	.....	204.40	.....	6,775.91
Distribution system, operation and maintenance	37.92	98.44	1,922.74	297.00	19,717.64
Line transformer maintenance	.....	.....	101.20	.....	2,688.80
Meter maintenance	.....	.....	605.81	.....	7,733.56
Consumers' premises expenses	.....	.....	.....	.....	16,113.08
Street lighting, operation and maintenance	38.97	63.97	771.93	130.09	21,484.33
Promotion of business	.....	.....	.....	.....	3,787.71
Billing and collecting	.....	716.30	.....	304.66	29,156.75
General office, salaries and expenses	292.09	98.29	4,426.14	23.26	27,621.50
Undistributed expenses	137.76	95.88	960.46	69.19	19,866.36
Truck operation and maintenance	.....	.....	541.19	.....	10,616.84
Interest	288.76	402.00	3,567.09	650.07	70,907.39
Sinking fund and principal payments on debentures	365.12	181.18	2,202.54	437.79	59,009.43
Total expenses	6,330.02	13,897.42	74,688.91	5,870.05	916,314.01
Gross surplus	67.83	.....	14,971.43	2,285.28	102,136.63
Gross loss	.....	555.72	.....	.....	.....
Depreciation	229.00	490.00	4,000.00	333.00	41,905.00
Net surplus	.....	.....	10,971.43	1,952.28	60,231.63
Net loss	161.17	1,045.72	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	110	179	1,054	160	13,742
Commercial light service	30	56	150	62	1,962
Power service	4	6	27	2	366
Total	144	241	1,231	224	16,070

*For year ending December 31st, 1926.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Woodbridge 749	Woodstock 10,140	Wyoming 452	York Twp.* 46,564	East York Twp. 21,434	North York Twp. 8,800	Zurich P.V.	NIAGARA SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,368.54	63,016.66	1,968.80	280,782.95	112,089.76	43,976.56	2,289.86	7,252,592.12
1,400.82	33,628.02	1,155.70	34,317.80	10,687.81	7,389.85	1,341.88	3,994,626.33
2,399.39	40,805.06	235.40	62,841.96	43,499.16	2,606.49	1,979.88	5,986,057.98
418.63	3,154.92	.....	.....	3,110.40	2,595.07	.....	1,769,444.67
901.16	6,848.04	800.00	43,633.63	12,673.45	2,070.38	681.96	1,254,933.65
59.92	.....	.....	.....	.....	.....	.....	9,365.07
284.65	2,717.86	48.24	4,166.18	982.06	4,129.70	183.40	524,086.83
8,833.11	150,170.56	4,208.14	425,742.52	183,042.64	62,768.05	6,476.98	20,791,106.65
6,632.86	97,793.33	2,388.76	147,128.32	92,859.72	22,254.49	4,715.60	11,375,420.14
.....	2,649.47	.....	15,875.65	.....	.....	.....	377,343.91
.....	.....	.....	.....	.....	.....	.....	259,510.44
411.89	4,475.53	21.18	14,268.29	8,237.65	5,861.21	89.40	630,238.88
23.95	300.04	.....	3,051.20	1,507.59	160.98	.....	92,742.45
43.80	1,745.97	.....	6,262.95	3,631.20	415.64	.....	185,841.70
.....	.....	.....	17,000.70	1,124.38	.....	.....	300,277.15
38.70	2,329.88	36.78	3,247.49	1,012.92	229.65	50.73	258,611.49
.....	.....	.....	3,258.96	84.05	.....	.....	214,318.87
.....	3,152.22	.....	24,421.17	8,205.34	1,632.72	.....	552,559.72
815.84	4,371.24	421.19	32,044.17	8,970.46	1,881.30	355.16	727,697.61
.....	2,805.26	.....	2,472.03	2,934.59	842.16	.....	393,596.31
.....	725.68	.....	.....	2,544.87	3,000.10	.....	66,602.47
421.05	3,901.06	368.44	109,647.46	17,278.41	2,963.53	263.43	1,956,778.28
211.47	2,285.02	527.05	15,883.99	10,607.00	7,862.26	126.57	1,375,901.26
8,599.56	126,534.70	3,763.40	394,562.38	158,998.18	47,104.04	5,600.89	18,767,440.68
233.55	23,635.86	444.74	31,180.14	24,044.46	15,664.01	876.09	2,023,665.97
.....	.....	.....	.....	.....	.....	.....	.....
582.00	8,347.00	290.00	12,289.00	7,722.00	4,472.00	289.00	1,083,087.40
.....	15,288.86	154.74	18,891.14	16,322.46	11,192.01	587.09	940,578.57
348.45	.....	.....	.....	.....	.....	.....	.....
198	2,603	120	Included	6,377	1,527	110	313,063
47	433	41	with	252	101	43	50,416
7	90	1	Toronto	27	21	3	9,471
252	3,126	162	.....	6,656	1,649	156	372,950

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM

Municipality	Alliston	Arthur	Barrie	Beaverton	Beeton
Population	1,280	1,102	7,339	978	561
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	9,026.72	3,982.14	33,860.81	4,357.05	3,261.63
Commercial light service	4,329.95	3,199.96	16,504.92	2,028.43	2,580.70
Commercial power service	1,190.75	2,259.40	13,342.53	2,172.90	3,160.07
Municipal power	590.51	.....	1,092.50	.....	.....
Street lighting	2,278.00	2,177.04	5,020.98	1,130.00	1,386.00
Rural service	.....	.....	98.53	2,001.58	.....
Miscellaneous	.....	.....	1,342.96	318.80	2.06
Total earnings	17,415.93	11,618.54	71,263.23	12,008.76	10,390.46
EXPENSES					
Power purchased	9,488.57	7,051.88	47,631.64	6,492.76	7,710.34
Substation operation	.....	.....	219.12	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	851.94	552.89	2,392.62	1,238.75	149.41
Line transformer maintenance	.....	.....	22.02	30.44	.....
Meter maintenance	.....	.....	261.20	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	218.70	61.27	731.48	60.29	61.93
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	2,218.12	.....	.....
General office, salaries and expenses	920.33	510.01	1,669.87	748.03	461.32
Undistributed expenses	.....	.....	653.98	11.17	.....
Truck operation and maintenance	.....	.....	379.06	.....	.....
Interest	2,214.93	1,283.13	1,629.12	635.66	958.92
Sinking fund and principal payments on debentures	961.48	453.91	2,084.37	383.82	333.57
Total expenses	14,655.95	9,913.09	59,892.60	9,600.92	9,675.49
Gross surplus	2,759.98	1,705.45	11,370.63	2,407.84	714.97
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,005.00	762.00	5,300.00	825.00	461.00
Net surplus	1,754.98	943.45	6,070.63	1,582.84	253.97
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	324	142	1,714	338	107
Commercial light service	95	77	321	57	35
Power service	14	4	34	11	6
Total	433	223	2,069	406	148

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Bradford 991	Brechin P.V.	Cannington 880	Chatsworth 274	Chesley 1,746	Coldwater 620	Colling-wood 6,002	Cookstown P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,558.93	875.58	4,173.97	1,337.45	7,027.30	2,055.40	24,282.40	2,045.13
3,056.98	925.70	2,104.12	839.23	4,089.32	1,221.37	10,656.22	1,490.13
5,950.35	1,320.99	1,169.43	.....	6,978.06	1,670.23	19,422.66	88.24
.....	.....	.....	.....	1,290.80	.....	1,398.27	.....
1,474.20	490.00	1,095.00	568.00	1,640.00	528.00	3,352.00	1,008.00
.....	.....	.....	.....	.....	.....	.....	.....
11.69	150.00	235.60	2.19	554.51	283.27	1,944.92	24.42
15,052.15	3,762.27	8,778.12	2,746.87	21,579.99	5,758.27	61,056.47	4,655.92
10,613.37	2,394.38	4,942.50	1,652.06	14,080.90	3,757.05	45,163.10	2,368.84
.....	.....	.....	.....	.....	.....	37.94	.....
.....	.....	.....	.....	.....	.....	106.82	.....
322.90	304.13	898.11	74.91	697.30	337.13	984.47	25.92
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	151.63	.....
.....	.....	.....	.....	.....	.....	.....	.....
56.10	85.49	11.82	16.26	64.64	21.67	184.06	15.30
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	356.33	.....	1,876.31	.....
692.15	21.75	565.05	244.88	739.85	391.15	2,249.66	418.42
.....	.....	.....	.....	.....	.....	506.62	.....
.....	.....	.....	.....	71.85	.....	579.18	.....
1,383.62	343.81	649.62	304.83	946.72	288.38	622.50	693.95
422.45	71.80	437.60	192.23	1,389.85	193.84	2,271.62	576.99
13,490.59	3,221.36	7,504.70	2,485.17	18,347.44	4,989.22	54,733.91	4,099.42
1,561.56	540.91	1,273.42	261.70	3,232.55	769.05	6,322.56	556.50
.....	.....	.....	.....	.....	.....	.....	.....
625.00	108.00	482.00	197.00	950.00	195.00	1,260.00	376.00
936.56	432.91	791.42	64.70	2,282.55	574.05	5,062.56	180.50
.....	.....	.....	.....	.....	.....	.....	.....
184	38	225	59	380	123	1,323	88
53	24	69	27	99	50	258	36
7	4	12	.....	18	5	56	2
244	66	306	86	497	178	1,637	126

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Creemore	Dundalk	Durham	Elmvale P.V.	Elmwood P.V.
Population	652	710	1,658		
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,780.31	2,062.63	4,608.18	1,964.03	904.55
Commercial light service	1,417.33	1,772.86	3,324.23	1,368.25	489.70
Commercial power service	1,657.20	3,097.59	12,288.40	4,282.55	1,342.49
Municipal power	.....	.....	.....	.....	.....
Street lighting	570.00	837.00	1,685.32	766.98	483.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	285.48	429.37	1,017.89	254.57	8.93
Total earnings	5,710.32	8,199.45	22,924.02	8,636.38	3,228.67
EXPENSES					
Power purchased	4,772.65	4,650.90	13,760.43	6,874.09	1,949.84
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	49.19	581.92	274.61	672.07	12.79
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	60.30	79.12	58.09	45.19	7.90
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	411.61	644.86	2,304.60	285.85	207.51
Undistributed expenses	.....	.....	.....	.....	.....
Truck operation and maintenance	.....	.....	298.85	.....	.....
Interest	211.14	159.90	922.88	297.11	308.32
Sinking fund and principal payments on debentures	355.55	258.45	1,706.20	208.61	323.90
Total expenses	5,860.44	6,375.15	19,325.66	8,382.92	2,810.26
Gross surplus	.....	1,824.30	3,598.36	253.46	418.41
Gross loss	150.12	.....	.....	.....	.....
Depreciation	313.00	340.00	865.00	181.00	187.00
Net surplus	.....	1,484.30	2,733.36	72.46	231.41
Net loss	463.12	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	148	147	341	130	48
Commercial light service	59	75	97	53	20
Power service	5	5	8	10	1
Total	212	227	446	193	69

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Flesherton 412	Grand Valley 655	Gravenhurst 1,768	Hanover 2,834	Holstein P.V.	Huntsville 2,760	Kincardine 2,047	Kirkfield P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,961.29	2,707.90	6,551.38	17,067.05	841.73	10,712.48	11,390.18	563.87
1,449.07	2,144.42	5,095.32	6,543.25	517.79	5,904.52	6,773.50	587.61
433.21	2,089.44	8,909.90	19,330.38	175.78	15,433.72	5,513.81	517.83
.....	.....	987.48	321.16	.....	1,126.67	1,596.83	.....
528.00	832.00	1,817.60	3,461.16	490.00	2,276.00	3,844.00	460.00
396.28	.....	.....	.....	.....	.....	.....	.....
29.25	262.75	545.88	1,526.04	.....	704.23	304.06	.....
4,797.10	8,036.51	23,907.56	48,249.04	2,025.30	36,157.62	29,422.38	2,129.31
2,755.41	5,358.97	9,243.89	28,228.76	1,619.20	29,318.93	15,977.13	1,030.34
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
18.19	71.82	1,881.53	2,301.57	7.55	2,712.82	979.75	152.15
.....	.....	.....	.....	.....	525.40	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
24.90	48.96	82.03	151.73	29.46	143.85	236.72	9.66
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	1,174.66	.....	.....	1,077.79	.....
277.60	495.14	2,064.56	414.12	143.07	1,570.48	923.14	58.84
.....	.....	.....	532.55	.....	.....	.....	.....
.....	.....	.....	177.58	.....	100.00	143.61	.....
462.86	435.38	1,318.67	3,958.53	265.29	982.08	3,022.16	351.15
186.85	535.52	2,557.18	3,724.03	155.05	963.61	2,253.05	231.36
3,725.81	6,945.79	17,147.86	40,663.53	2,219.62	36,317.17	24,613.35	1,833.50
1,071.29	1,090.72	6,759.70	7,585.51	.....	.....	4,809.03	295.81
.....	.....	.....	.....	194.32	159.55	.....	.....
88.36	416.00	1,144.00	2,526.00	87.00	799.00	1,409.00	159.00
982.93	674.72	5,615.70	5,059.51	.....	.....	3,400.03	136.81
.....	.....	.....	.....	281.32	958.55	.....	.....
110	127	366	636	42	515	465	22
35	53	68	113	18	114	112	15
1	3	12	17	1	11	18	1
146	183	446	766	61	640	595	38

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Lucknow	Markdale	Meaford	Midland	Mount Forest
Population	1,041	879	2,706	8,085	1,799
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,977.23	2,731.94	9,605.49	29,469.58	6,823.01
Commercial light service	3,130.26	2,024.44	5,451.50	11,979.57	5,372.81
Commercial power service	3,729.70	1,309.71	3,539.24	84,965.25	5,040.14
Municipal power	.....	127.46	835.90	3,365.00	1,471.40
Street lighting	1,400.00	650.00	2,833.34	6,676.92	2,548.03
Rural service	116.92	.....	.....	.....	.....
Miscellaneous	181.29	115.16	958.85	1,006.72	390.78
Total earnings	13,535.40	6,958.71	23,224.32	137,463.04	21,646.17
EXPENSES					
Power purchased	8,505.98	3,837.30	11,308.36	101,062.19	13,143.04
Substation operation	.....	.....	.....	1,996.56	.....
Substation maintenance	.....	.....	.....	358.79	.....
Distribution system, operation and maintenance	84.20	157.19	1,390.46	3,576.48	1,111.21
Line transformer maintenance	.....	.....	.....	137.28	.....
Meter maintenance	.....	.....	.....	362.51	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	30.05	66.04	140.90	587.46	122.03
Promotion of business	.....	.....	.....	375.95	.....
Billing and collecting	.....	.....	761.53	1,961.83	.....
General office, salaries and expenses	596.73	602.42	2,073.52	2,309.81	1,157.39
Undistributed expenses	.....	.....	.....	2,338.02	.....
Truck operation and maintenance	.....	.....	.....	773.46	.....
Interest	966.02	437.77	2,549.80	3,676.21	969.04
Sinking fund and principal payments on debentures	688.89	216.07	1,500.00	4,524.23	1,032.11
Total expenses	10,871.87	5,316.79	19,724.57	124,040.78	17,534.82
Gross surplus	2,663.53	1,641.92	3,499.75	13,422.26	4,111.35
Gross loss	.....	.....	.....	.....	.....
Depreciation	520.00	455.00	992.00	7,132.00	1,012.00
Net surplus	2,143.53	1,186.92	2,507.75	6,290.26	3,099.35
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	236	170	571	1,544	367
Commercial light service	80	74	135	232	136
Power service	4	9	13	60	12
Total	320	253	719	1,836	515

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Neustadt 457	Orangeville 2,668	Owen Sound 12,339	Paisley 750	Penetang-uishene 3,888	Port McNicoll 650	Port Perry 1,150	Priceville P.V.	Ripley 427
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,970.61	7,821.90	43,753.39	3,138.98	7,325.67	3,154.75	5,941.29	513.58	2,281.88
953.54	5,799.36	26,245.39	1,782.99	2,663.98	652.64	2,256.13	244.62	2,602.25
2,054.77	6,521.52	27,461.66	1,102.23	13,510.05	.....	3,630.34	.....	.....
.....	342.00	.....	.....	1,627.72	.....	478.72	.....	.....
975.00	3,514.81	8,397.75	1,584.00	1,850.00	572.00	1,505.67	560.00	1,323.00
.....	.....	1,533.34	.....	.....	.....	.....	.....	254.00
.....	106.65	1,292.89	201.10	863.26	.....	497.89	.....	.....
5,953.92	24,106.24	108,684.42	7,809.30	27,840.68	4,379.39	14,310.04	1,318.20	6,461.13
4,702.91	16,014.77	61,737.48	5,188.12	18,009.29	2,186.09	7,397.03	999.99	3,760.69
.....	.....	118.68	.....	1,930.76	.....	.....	.....	.....
.....	.....	3,203.98	.....	57.94	.....	.....	.....	.....
22.81	1,357.33	2,687.94	103.48	1,752.17	65.28	612.59	6.12	71.42
.....	.....	348.48	.....	149.07	.....	.....	.....	.....
.....	.....	269.22	.....	11.36	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
15.00	168.66	2,249.62	48.59	191.35	38.72	30.28	11.25	85.78
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	893.42	2,712.30	.....	861.48	.....	.....	.....	.....
397.29	198.35	5,316.93	400.50	638.88	424.87	526.97	38.41	329.28
.....	.....	1,979.22	.....	381.35	.....	.....	.....	.....
.....	.....	561.97	.....	340.86	.....	.....	.....	.....
991.39	1,142.91	2,361.18	800.07	1,368.87	306.45	1,197.46	399.91	778.31
722.77	1,803.98	1,679.20	538.80	1,489.62	339.17	526.96	332.80	269.13
6,852.17	21,579.42	85,226.20	7,079.56	27,183.00	3,360.58	10,291.29	1,788.48	5,294.61
.....	2,526.82	23,458.22	729.74	657.68	1,018.81	4,018.75	.....	1,166.52
898.25	.....	.....	.....	.....	.....	.....	470.28	.....
468.00	1,210.00	5,568.92	330.00	926.00	285.00	572.00	137.00	313.00
.....	1,316.82	17,889.30	399.74	.....	733.81	3,446.75	.....	853.52
1,366.25	.....	.....	.....	268.32	.....	.....	607.28	.....
86	465	2,846	157	522	164	263	24	85
25	140	541	53	98	27	57	9	43
4	19	110	3	29	.....	12	.....	.....
115	624	3,497	213	649	191	332	33	128

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Shelburne	Stayner	Sunderland P.V.	Tara	Teeswater
Population	1,031	954		490	850
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,038.10	2,748.40	2,096.44	2,551.09	4,566.69
Commercial light service	3,123.32	2,121.43	1,190.50	2,142.82	2,533.44
Commercial power service	3,337.97	2,695.96	883.49	1,043.81	3,252.68
Municipal power	503.77	.....	.....	.....	.....
Street lighting	1,140.00	1,388.00	540.00	1,675.00	1,908.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	202.50	402.72	24.00	.....	.....
Total earnings	13,345.66	9,356.51	4,734.43	7,412.72	12,260.81
EXPENSES					
Power purchased	8,834.73	5,970.26	3,149.88	4,519.40	7,640.39
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	549.03	636.34	171.98	139.70	52.33
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	183.13	91.24	34.96	39.78	7.63
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	501.11	.....	.....	.....	.....
General office, salaries and expenses	82.17	388.40	200.44	433.49	538.97
Undistributed expenses	.....	.....	.....	.....	.....
Truck operation and maintenance	.....	.....	.....	.....	.....
Interest	635.24	455.35	270.57	786.46	1,561.80
Sinking fund and principal payments on debentures	980.37	765.26	229.08	683.76	1,266.10
Total expenses	11,765.78	8,306.85	4,056.91	6,602.59	11,067.22
Gross surplus	1,579.88	1,049.66	677.52	810.13	1,193.59
Gross loss	.....	.....	.....	.....	.....
Depreciation	692.00	216.00	229.00	408.00	499.00
Net surplus	887.88	833.66	448.52	402.13	694.59
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	275	210	102	103	190
Commercial light service	94	64	33	34	60
Power service	12	8	3	5	7
Total	381	282	138	142	257

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Thornton P.V.	Tottenham 530	Uxbridge 1,484	Victoria Harbor 1,417	Waubaushene P.V.	Wingham 2,424	Woodville 435	GEORGIAN BAY SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
975.45	2,602.66	5,431.91	2,224.10	1,579.40	10,151.02	1,791.88	335,226.53
438.51	1,906.02	3,196.37	1,006.15	403.81	6,791.14	822.52	187,250.39
503.62	768.61	1,493.58	.....	920.41	11,964.96	1,373.09	314,900.70
.....	289.84	.....	.....	.....	269.29	.....	17,715.32
840.00	1,225.08	1,806.00	912.00	418.00	4,045.00	504.00	90,989.88
.....	.....	.....	.....	.....	.....	.....	4,400.65
.....	.....	542.68	.....	.....	1,918.40	158.70	19,102.46
2,757.58	6,792.21	12,470.54	4,142.25	3,321.62	35,139.81	4,650.19	969,585.93
1,673.32	4,859.15	8,008.39	2,504.03	1,898.28	18,420.62	2,733.44	616,953.06
.....	.....	.....	.....	.....	1,537.36	.....	5,840.42
.....	.....	.....	.....	.....	.....	.....	3,727.53
23.55	366.43	499.66	131.20	62.77	1,731.59	172.10	36,081.80
.....	.....	.....	.....	.....	.....	.....	1,212.69
.....	.....	.....	.....	.....	.....	.....	1,055.92
.....	.....	.....	.....	.....	.....	.....	.....
18.48	88.40	33.25	54.78	21.22	194.32	26.11	7,145.95
.....	.....	.....	.....	.....	.....	.....	375.95
.....	.....	.....	.....	.....	655.01	.....	15,049.89
83.82	215.04	714.64	399.87	336.91	1,337.61	176.73	39,353.29
.....	.....	.....	.....	.....	.....	.....	6,402.91
.....	.....	.....	.....	.....	149.40	.....	3,575.82
561.38	665.22	973.11	200.78	118.72	3,500.48	283.79	52,608.95
299.66	282.20	.....	335.94	180.62	3,422.24	166.38	47,508.23
2,660.21	6,476.44	10,229.05	3,626.60	2,618.52	30,948.63	3,558.55	836,892.41
97.37	315.77	2,241.49	515.65	703.10	4,191.18	1,091.64	132,693.52
.....	.....	.....	.....	.....	.....	.....	.....
240.00	315.00	450.00	325.00	184.00	2,017.00	157.00	46,713.28
.....	.77	1,791.49	190.65	519.10	2,174.18	934.64	85,980.24
142.63	.....	.....	.....	.....	.....	.....	.....
45	116	252	141	108	495	92	17,771
15	51	95	35	18	160	23	4,365
2	5	11	.....	5	25	3	627
62	172	358	176	131	680	118	22,763

STATEMENT

Detailed Operating Reports of Electrical Departments of

ST. LAWRENCE SYSTEM

Municipality	Alexandria	Apple Hill P.V.	Brockville	Chesterville	Lancaster
Population	2,280		9,091	1,038	571
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	6,637.03	944.42	30,910.04	3,780.50	1,741.38
Commercial light service	4,213.15	649.33	20,126.24	2,199.84	1,406.15
Commercial power service	8,665.51	524.00	35,316.55	7,501.79	173.82
Municipal power	2,237.09	.....	8,266.86	.....	.....
Street lighting	3,100.09	575.00	8,962.00	1,133.00	1,496.50
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	5,614.33	755.06	.....
Total earnings	24,852.87	2,692.75	109,196.02	15,370.19	4,817.85
EXPENSES					
Power purchased	13,325.35	1,524.94	41,854.47	10,291.06	3,187.74
Substation operation	.....	.....	5,872.30	.....	.....
Substation maintenance	.....	.....	883.76	.....	.....
Distribution system, operation and maintenance	1,530.70	32.67	1,493.92	1,113.88	26.85
Line transformer maintenance	.....	.....	135.14	.....	.....
Meter maintenance	.....	.....	1,949.14	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	241.77	4.85	1,236.26	103.81	51.15
Promotion of business	.....	.....	618.33	.....	.....
Billing and collecting	.....	.....	1,976.14	.....	.....
General office, salaries and expenses	1,222.33	263.62	4,197.35	632.70	225.15
Undistributed expenses	.....	.....	2,541.49	.....	.....
Truck operation and maintenance	.....	.....	.....	.....	.....
Interest	2,134.13	320.58	7,552.60	216.94	812.93
Sinking fund and principal payments on debentures	1,978.00	214.27	4,866.34	330.86	501.31
Total expenses	20,432.28	2,360.93	75,177.24	12,689.25	4,805.13
Gross surplus	4,420.59	331.82	34,018.78	2,680.94	12.72
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,031.00	120.00	5,548.00	438.00	218.00
Net surplus	3,389.59	211.82	28,470.78	2,242.94	.....
Net loss	.....	.....	.....	.....	205.28
NUMBER OF CONSUMERS					
Domestic service	271	34	2,271	194	72
Commercial light service	100	17	378	60	31
Power service	17	1	69	3	1
Total	388	52	2,718	257	104

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

Martintown P.V.	Maxville 800	Prescott 2,692	Russell P.V.	Williamsburg P.V.	Winchester 1,120	ST. LAWRENCE SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
772.58	3,075.54	9,712.78	2,385.72	1,133.17	5,049.76	66,142.92
687.71	1,907.21	5,811.60	1,671.28	493.87	2,105.70	41,272.08
.....	222.30	4,706.58	400.82	270.70	1,372.34	59,154.41
.....	.....	2,057.60	.....	.....	.....	12,561.55
345.00	2,054.18	3,425.00	1,027.38	234.00	1,170.00	23,522.15
.....	.....	.....	.....	.....	.....	.....
66.64	.....	628.53	.....	67.81	1,161.85	8,294.22
1,871.93	7,259.23	26,342.09	5,485.20	2,199.55	10,859.65	210,947.33
911.98	3,840.69	14,455.49	3,263.57	1,369.71	6,360.83	100,385.83
.....	.....	1,574.61	.....	.....	.....	7,446.91
.....	.....	119.28	.....	.....	.....	1,003.04
10.00	155.10	2,011.90	117.77	93.00	994.72	7,580.51
.....	.....	.....	.....	.....	.....	135.14
.....	.....	22.80	.....	.....	.....	1,971.94
.....	.....	.....	.....	.....	.....	.....
23.50	70.56	576.39	239.61	23.98	51.00	2,622.88
.....	.....	.....	.....	.....	.....	618.33
.....	.....	860.88	.....	.....	.....	2,837.02
54.62	265.19	2,205.65	211.78	88.06	853.16	10,219.61
.....	.....	312.86	.....	.....	.....	2,854.35
.....	.....	.....	.....	.....	.....	.....
291.73	894.47	547.78	638.29	71.31	503.83	13,984.59
231.37	632.71	1,365.31	302.57	149.36	270.93	10,843.03
1,523.20	5,858.72	24,052.95	4,773.59	1,795.42	9,034.47	162,503.18
348.73	1,400.51	2,289.14	711.61	404.13	1,825.18	48,444.15
.....	.....	.....	.....	.....	.....	.....
102.00	394.00	2,015.00	210.00	101.00	461.00	10,638.00
246.73	1,006.51	274.14	501.61	303.13	1,364.18	37,806.15
.....	.....	.....	.....	.....	.....	.....
28	130	574	96	55	263	3,988
17	48	155	32	20	57	915
.....	2	23	1	1	3	121
45	180	752	129	76	323	5,024

STATEMENT

Detailed Operating Reports of Electrical Departments of

RIDEAU SYSTEM

Municipality	Carleton Place	Kemptville	Lanark	Perth	Smiths Falls
Population	4,221	1,191	594	3,571	6,933
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	17,593.16	5,716.97	2,228.38	18,545.46	39,285.83
Commercial light service	8,951.78	7,302.69	1,215.93	11,617.84	16,783.46
Commercial power service	18,727.17	4,611.00	151.50	15,086.00	25,397.28
Municipal power	2,743.04	.....	.....	2,902.09	1,960.42
Street lighting	2,833.42	1,599.00	720.00	2,734.58	6,876.35
Rural service	.....	.....	.....	.....	.....
Miscellaneous	1,187.94	947.06	.....	5,262.45	1,813.17
Total earnings	52,036.51	20,176.72	4,315.81	56,148.42	92,116.51
EXPENSES					
Power purchased	36,064.96	9,021.91	2,945.89	33,179.59	48,782.27
Substation operation	.....	.....	.....	360.00	1,480.80
Substation maintenance	147.27	.....	.....	.....	241.75
Distribution system, operation and maintenance	2,715.42	1,542.22	18.70	1,534.11	2,278.20
Line transformer maintenance	61.75	.....	.....	56.64	4.67
Meter maintenance	81.26	.....	.....	544.74	718.19
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	674.48	69.95	20.50	254.17	917.21
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	1,465.31	.....	.....	1,225.17	1,571.21
General office, salaries and expenses	1,396.03	951.42	284.27	2,746.13	2,632.44
Undistributed expenses	370.50	.....	.....	869.85	1,174.44
Truck operation and maintenance	.....	.....	.....	525.25	620.38
Interest	3,268.92	1,416.64	287.74	5,714.31	8,486.49
Sinking fund and principal payments on debentures	1,698.73	448.56	327.43	2,049.19	8,688.18
Total expenses	47,944.63	13,450.70	3,884.53	49,059.15	77,596.23
Gross surplus	4,091.88	6,726.02	431.28	7,089.27	14,520.28
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,457.00	636.00	181.00	2,288.00	4,422.00
Net surplus	2,634.88	6,090.02	250.28	4,801.27	10,098.28
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	863	257	102	797	1,561
Commercial light service	179	86	31	182	242
Power service	16	6	2	21	38
Total	1,058	349	135	1,000	1,841

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1927

	THUNDER BAY SYSTEM				OTTAWA SYSTEM	TRENT SYSTEM	
RIDEAU SYSTEM SUMMARY	Fort William 22,339	Nipigon P.V.	Port Arthur 17,388	THUNDER BAY SYSTEM SUMMARY	Ottawa 118,697	Bloomfield 649	Havelock 1,073
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
83,369.80	149,190.95	1,796.81	83,195.43	234,183.19	253,890.90	2,480.90	5,567.63
45,871.70	44,603.83	1,765.23	52,920.94	99,290.00	124,751.38	1,189.10	1,466.53
63,972.95	67,888.88	.....	670,881.33	738,770.21	58,988.05	3,665.22	6,281.83
7,605.55	20,250.00	.....	36,906.59	57,156.59	30,384.04	.....	.....
14,763.35	19,219.42	406.25	17,167.10	36,792.77	58,166.17	645.00	1,661.00
.....	.....	.....	.....	.....	.....	.....	.....
9,210.62	31.11	.....	10,728.73	10,759.84	1,303.32	282.65	140.03
224,793.97	301,184.19	3,968.29	871,800.12	1,176,952.60	527,483.86	8,262.87	15,117.02
129,994.62	213,592.34	1,304.67	658,036.54	872,933.55	192,049.17	5,380.74	9,557.37
1,840.80	5,924.14	.....	18,072.48	23,996.62	14,607.45	.....	.....
389.02	339.61	.....	535.10	874.71	.....	.....	.....
8,088.65	11,118.26	103.70	16,586.49	27,808.45	28,258.56	45.40	835.66
123.06	162.24	.....	603.89	766.13	30.47	.....	.....
1,344.19	9,424.74	.....	2,901.14	12,325.88	10,706.76	.....	.....
.....	136.23	.....	.....	136.23	.....	.....	.....
1,936.31	6,722.29	17.03	4,517.14	11,256.46	30,296.07	16.20	80.31
.....	.....	.....	806.07	806.07	7,569.68	.....	.....
4,261.69	4,375.86	.....	5,038.32	9,414.18	31,846.19	.....	.....
8,010.29	9,902.95	209.37	14,453.25	24,565.57	21,508.16	368.58	523.96
2,414.79	3,248.76	.....	6,072.57	9,321.33	25,133.28	.....	.....
1,145.63	.....	.....	2,236.72	2,236.72	.....	.....	.....
19,174.10	21,954.39	545.83	21,385.07	43,885.29	39,541.30	575.50	1,616.66
13,212.09	13,966.55	305.45	9,328.65	23,600.65	19,410.13	284.68	1,251.71
191,935.24	300,868.36	2,486.05	760,573.43	1,063,927.84	420,957.22	6,671.10	13,865.67
32,858.73	315.83	1,482.24	111,226.69	113,024.76	106,526.64	1,591.77	1,251.35
.....	.....	.....	.....	.....	.....	.....	.....
8,984.00	10,679.00	256.00	13,035.00	23,970.00	56,410.00	312.00	675.00
23,874.73	.....	1,226.24	98,191.69	89,054.76	50,116.64	1,279.77	576.35
.....	10,363.17	.....	.....	.....	.....	.....	.....
3,580	5,232	93	3,757	9,082	11,365	135	287
720	887	15	756	1,658	1,489	22	50
83	101	.....	85	186	200	9	3
4,383	6,220	108	4,598	10,926	13,054	166	340

STATEMENT

Detailed Operating Reports of Electrical Departments of

TRENT SYSTEM—Continued

Municipality	Kingston	Lakefield	Marmora	Norwood	Omemee
Population	21,689	1,291	780	748	590
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	92,065.50	5,564.62	2,617.77	3,767.81	2,232.88
Commercial light service	74,111.96	4,433.90	1,627.66	2,009.05	1,123.44
Commercial power service	57,345.74	2,927.99	265.28	1,742.11	2,273.30
Municipal power	6,846.04	.....	.....	.....	.....
Street lighting	20,000.00	1,906.31	1,740.00	1,913.00	878.24
Rural service	.....	.....	.....	.....	.....
Miscellaneous	7,350.89	428.13	.....	200.99	.....
Total earninings	257,720.13	15,260.95	6,250.71	9,632.96	6,507.86
EXPENSES					
Power purchased	94,831.32	7,377.57	3,626.02	4,538.37	4,277.50
Substarion operation	11,746.82	.....	.....	.....	.....
Substation maintenance	6,918.32	.....	.....	.....	.....
Distribution system, operation and maintenance	18,693.73	1,413.57	88.27	723.14	382.70
Line transformer maintenance	2,252.84	.....	.....	.....	.....
Meter maintenance	3,414.26	.....	.....	.....	.....
Consumers' premises expenses	1,790.00	.....	.....	.....	.....
Street lighting, operation and maintenance	4,986.58	86.20	28.95	53.86	51.79
Promotion of business	257.66	.....	.....	.....	.....
Billing and collecting	5,025.96	.....	.....	.....	.....
General office, salaries and expenses	10,685.33	398.73	509.16	250.34	226.72
Undistributed expenses	8,837.05	.....	.....	73.50	.....
Truck operation and maintenance	2,740.90	.....	.....	.....	.....
Interest	12,508.13	1,978.22	737.48	2,034.58	510.25
Sinking fund and principal payments on debentures	10,397.89	565.93	780.69	723.43	535.99
Total expenses	195,086.79	11,820.22	5,770.57	8,397.22	5,984.95
Gross surplus	62,633.34	3,440.73	480.14	1,235.74	522.91
Gross loss	.....	.....	.....	.....	.....
Depreciation	12,710.00	758.00	454.00	791.00	432.00
Net surplus	49,923.34	2,682.73	26.14	444.74	90.91
Net loss	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service	4,986	257	161	207	120
Commercial light service	786	75	50	68	40
Power service	133	8	4	4	8
Total	5,905	340	215	279	168

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1927

Peterboro' 21,495	Picton 3,206	Warkworth P.V.	Wellington 821	Whitby 3,354	TRENT SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
95,290.21	15,028.51	1,780.41	4,303.39	14,544.75	245,244.38	8,470,649.84
64,356.65	7,510.09	1,136.18	2,095.04	7,011.83	168,071.43	4,661,133.31
82,187.81	7,082.95	.....	3,744.73	15,653.90	183,170.86	7,405,015.16
7,149.61	2,643.18	.....	30.07	1,966.26	18,635.16	1,913,502.88
16,944.82	3,561.74	864.00	845.00	2,698.92	53,708.03	1,532,876.00
.....	.....	.....	.....	.....	.....	13,765.72
186.07	3,545.12	159.31	250.00	778.74	13,321.93	586,079.22
266,165.17	39,371.59	3,939.90	11,268.23	42,654.40	682,151.79	24,583,022.13
169,927.67	28,534.10	2,566.05	6,342.03	28,016.98	364,975.72	13,652,712.09
2,590.76	.....	.....	.....	673.72	15,011.30	446,087.41
2,725.80	.....	.....	.....	.....	9,644.12	275,148.86
6,911.56	2,202.36	115.70	833.11	2,713.34	34,958.54	773,015.39
350.99	105.99	.....	.....	37.82	2,747.64	97,757.58
3,946.70	211.60	.....	.....	257.87	7,830.43	221,076.82
150.00	.....	.....	.....	.....	1,940.00	302,353.38
2,684.11	887.27	14.59	10.00	874.26	9,774.12	321,643.28
.....	.....	.....	.....	.....	257.66	223,946.56
6,766.95	1,106.71	.....	.....	1,180.44	14,080.06	630,048.75
7,021.71	3,084.49	285.30	548.16	1,656.06	25,558.54	856,913.07
4,412.94	751.92	.....	.....	738.44	14,813.85	454,536.82
2,637.47	.....	.....	.....	.....	5,378.37	78,939.01
23,880.33	115.88	642.80	871.53	1,901.59	47,372.95	2,173,345.46
13,620.45	427.59	156.34	438.62	1,851.59	31,034.91	1,521,510.30
247,627.44	37,427.91	3,780.78	9,043.45	39,902.11	585,378.21	22,029,034.78
18,537.73	1,943.68	159.12	2,224.78	2,752.29	96,773.58	2,553,987.35
.....	.....	.....	.....	.....	.....	.....
12,546.42	1,321.00	150.00	541.00	1,507.55	32,197.97	1,262,000.65
5,991.31	622.68	9.12	1,683.78	1,244.74	64,575.61	1,291,986.70
.....	.....	.....	.....	.....	.....	.....
5,096	911	83	240	734	13,217	372,066
845	190	40	56	137	2,359	61,922
154	47	.....	8	13	391	11,079
6,095	1,148	123	304	884	15,967	445,067

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Acton	1,835	116 61 2	80 c.p. *s* 100 watt *m* 300 watt *m*	10.00 11.00 21.50	1,823.26	1.00
Agincourt	.....	50	100 watt *m*	13.00	650.00	**
Ailsa Craig	418	56	100 watt *m*	11.00	616.00	1.47
Alexandria	2,280	91 41	100 watt *m* 200 watt *m*	21.00 31.00	3,100.09	1.36
Alliston	1,280	101 12	100 c.p. *s* 100 watt *m*	20.00 20.00	2,278.00	1.78
Alvinston	632	90	100 watt *m*	20.00	1,766.66	2.80
Amherstburg	2,907	83 9	100 c.p. *s* 250 c.p. *s*	9.50 21.50	987.64	0.34
Ancaster Twp	.....	81 4	100 watt *m* 300 watt *m*	11.00 26.00	982.66	**
Apple Hill	.....	23	100 watt *m*	25.00	575 00	**
Arkona	363	46	100 watt *m*	25.00	1,112 48	3 07
Arthur	1,102	83 4	100 watt *m* 200 watt *m*	25.00 38.00	2,177.04	1.97
Aylmer	2,158	148 14 1	100 watt *m* 300 watt *m* 1,000 watt *m*	12.00 27.00 56.00	2,210.00	1.02
Ayr	810	87	100 watt *m*	10.00	905.78	1.12
Baden	.....	63	100 watt *m*	8.00	504.00	**
Barrie	7,339	449 15 41 23	150 c.p. *s* 100 watt *m* 200 watt *m* 300 watt *m*	8.00 15.00 18.00 22.00	5,020.98	0.68
Barton Twp	.....	280	100 watt *m*	12.00	3,360.00	**
Beachville	.....	46	100 watt *m*	11.00	506.00	**
Beaverton	978	107 8	100 watt *m* 100 watt *m*	10.00 7.00	1,130.00	1.16
Beeton	561	63 14	100 c.p. *s* 100 watt *m*	18.00 18.00	1,386.00	2.47
Belle River	669	70	100 watt *m*	12.00	750.00	1.12
Blenheim	1,569	136 4 13	100 c.p. *s* 400 c.p. *s* 600 c.p. *s*	14.00 33.00 34.50	2,443.00	1.56

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Bloomfield	649	43	100 c.p. *s*	15.00	645.00	1.00
Blyth	643	99	100 watt *m*	15.00	1,485.00	2.31
Bolton	631	55	100 watt *m*	15.00	822.82	1.30
Bothwell	648	63 21	100 watt *m* 300 watt *m*	11.00 30.00	1,007.74	1.56
Bradford	991	60 7	100 c.p. *s* 100 watt *m*	22.00 21.00	1,474.20	1.49
Brampton	4,835	631	100 watt *m*	7.00	4,405.33	0.91
Brantford	27,410	3469 10 12 2 14 150	100 watt *m* 150 watt *m* 200 watt *m* 500 watt *m* 750 watt *m* Mag. arcs	7.50 8.50 11.00 45.00 46.00 45.00	33,718.56	††
Brantford Twp.	.....	283	100 watt *m*	13.00	3,652.98	**
Brechin	.....	26	100 watt *m*	20.00	490.00	**
Brigden	.....	38 20	60 watt *m* 100 watt *m*	11.00 15.00	718.00	**
Brockville	9,091	549 15 40 51	100 c.p. *s* 1-Lt. std. *m* 3-Lt. stds. *m* 5-Lt. stds. *m*	12.00 18.00 22.00 25.00	8,962 00	0.99
Brussels	822	79 18	100 watt *m* 200 watt *m*	15.00 25.00	1,611.64	1.96
Burford	.....	62 4	100 watt *m* 250 watt *m*	13.00	848.17	**
Burgessville	.....	23	100 watt *m*	14.00	322.00	**
Caledonia	1,450	141 9	100 watt *m* 100 watt *m*	8.00 13.00	1,245.00	0.86
Campbellville	.....	18	100 watt *m*	25.00	456.00	**
Cannington	880	73	100 watt *m*	15.00	1,095.00	1.24
Carleton Place	4,221	258	60 watt *m*	11.00	2,833.42	0.67
Cayuga	696	75	100 watt *m*	18.00	1,320.00	1.90
Chatham	14,142	37 707 90 68	150 c.p. *s* 150 c.p. *s* 600 c.p. *s* 1,000 c.p. *s*	12.00 13.00 30.00 38.00	14,873.68	1.05

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Chatsworth	274	39 2	150 watt *m* 100 watt *m*	14.00 11.00	568.00	2.07
Chesley	1,746	111	100 c.p. *s*	15.00	1,640.00	0.94
Chesterville	1,038	86	100 watt *m*	13.00	1,133.00	1.09
Chippawa	1,101	78	100 watt *m*	12.00	958.17	0.87
Clifford	490	53	100 watt *m*	16.00	848.00	1.73
Clinton	1,974	157 11	150 c.p. *s* 100 watt *m*	11.00 11.00	1,935.88	0.98
Coldwater	620	48	100 watt *m*	11.00	528.00	0.85
Collingwood	6,002	419	150 c.p. *s*	8.00	3,352.00	0.56
Comber	.....	54	100 watt *m*	12.00	652.50	**
Cookstown	.....	56	100 c.p. *s*	18.00	1,008.00	**
Cottam	.....	24	100 watt *m*	20.00	453.87	**
Courtright	416	41	100 watt *m*	22.00	902.00	2.17
Creemore	652	59	100 watt *m*	10.00	570.00	0.87
Dashwood	.....	41	100 watt *m*	15.00	615.00	**
Delaware	.....	18	100 watt *m*	14.00	252.00	**
Dorchester	.....	36	100 watt *m*	12.00	426.80	**
Drayton	568	60	100 watt *m*	13.00	897.00	1.58
Dresden	1,384	126	100 c.p. *s*	14.00	1,757.00	1.27
Drumbo	.....	38	100 watt *m*	15.00	570.00	**
Dublin	.....	44	100 watt *m*	20.00	733.33	**
Dundalk	710	93	100 watt *m*	9.00	837.00	1.18
Dundas	5,005	319 8 7	100 watt *m* 200 watt *m* 500 watt *m*	11.00 16.00 36.00	3,888.02	0.78
Dunnville	3,349	232 27	100 c.p. *s* 600 c.p. *s*	12.00 50.00	4,118.08	1.23
Durham	1,658	105	150 c.p. *s*	16.00	1,685.32	1.02
Dutton	865	103	100 watt *m*	9.00	933.00	1.08
Elmira	2,535	184 8	100 watt *m* 200 watt *m*	10.00 15.00	1,960.00	0.77

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Elmvale	.....	59	100 watt *m*	13.00	766.98	**
Elmwood	.....	23	150 watt *m*	21.00	483.00	**
Elora	1,174	100	100 watt *m*	16.00	1,559.98	1.33
Embro	458	53	100 watt *m*	14.00	713.73	1.56
Erieau	203	21	100 watt *m*	20.00	430.00	†
Essex	1,721	95 22	60 watt *m* 100 watt *m*	13.00 15.00	1,506.57	0.87
Etobicoke Twp.	.....	919	100 watt *m*	13.00	11,747.48	**
Exeter	1,582	163 23	100 watt *m* 200 watt *m*	9.00 18.00	1,881.24	1.19
Fergus	1,780	122 30	100 watt *m* 150 watt *m*	16.00 18.50	2,499.00	1.40
Flesherton	412	48	100 watt *m*	11.00	528.00	1.28
Fonthill	701	60	100 watt *m*	12.00	660.00	0.94
Ford City	12,689	296 119 126	100 watt *m* 200 watt *m* 300 watt *m*	10.00 18.00 24.00	6,081.12	††
Forest	1,421	117 125	100 watt *m* 60 watt *m*	11.00 7.00	2,213.00	1.56
Fort William	22,339	120 49 382 206 119	1,000 c.p. *s* 600 c.p. *s* 150 c.p. *s* 100 watt *m* Arcs	45.00 30.00 8.50 8.50 45.00	19,219.42	0.86
Galt	12,604	972 316 152 74	100 c.p. *s* 100 watt *m* 300 watt *m* 500 watt *m*	9.00 12.00 35.00 40.00	20,895.01	1.66
Georgetown	1,985	186	100 watt *m*	12.00	2,235.14	‡
Glencoe	802	101 23	100 watt *m* 200 watt *m*	14.00 20.00	1,884.00	2.35
Goderich	4,211	309 8 8 16 6 1	100 c.p. *s* 100 watt *m* 200 watt *m* 3-Lt. stds. *m* 100 watt *m* Park	9.00 15.00 25.00 35.00 15.00 4.50	3,692.50	0.88
Grand Valley	655	52	100 watt *m*	16.00	832.00	1.27

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid in form of debenture charges. ‡Includes Glen Williams.
†Summer population not in statistics.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capital
				$ c.	$ c.	$ c.
Granton	.....	33	100 watt *m*	11.00	337.50	**
Gravenhurst	1,768	11 112 16	100 watt *m* 100 c.p. *s* 150 c.p. *s*	12.00 12.00 14.00	1,817.60	1.03
Guelph	19,230	17 1351 34 85 2 2	60 watt *m* 100 watt *m* 200 watt *m* 300 watt *m* 500 watt *m* 1,000 watt *m*	4.00 10.00 12.50 18.75 25.00 46.50	15,234.01	0.79
Hagersville	1,231	100	100 watt *m*	12.00	1,200.00	0.97
Hamilton	122,459	8079 1053 22 413 25	100 watt *m* 200 watt *m* 300 watt *m* 500 watt *m* 750 watt *m*	7.50 11.00 18.00 37.00 55.00	89,028.28	0.73
Hanover	2,834	16 91 12 4	400 c.p. *s* 150 c.p. *s* 200 watt *m* 100 watt *m*	32.00 27.00 32.00 29.00	3,461.16	1.22
Harriston	1,247	106	150 c.p. *s*	14.00	1,468.91	1.18
Harrow	.....	53	100 watt *m*	14.00	742.00	**
Havelock	1,073	63 16	100 c.p. *s* 250 c.p. *s*	19.00 29.00	1,661.00	1.55
Hensall	786	61 7	100 watt *m* 200 watt *m*	12.00 22.50	807.00	1.03
Hespeler	2,804	142 27 7	150 c.p. *s* 250 c.p. *s* 300 watt *m*	10.00 16.00 35.00	1,949.00	0.69
Highgate	399	50	100 watt *m*	11.00	517.89	1.30
Holstein	.....	14	100 watt *m*	35.00	490.00	**
Humberstone	2,144	106	100 watt *m*	12.00	1,353.00	0.63
Huntsville	2,760	27 46 10 56	400 c.p. *s* 150 c.p. *s* 50 watt *m* 75 watt *m*	36.00 14.00 10.00 10.00	2,276.00	0.82
Ingersoll	5,047	13 316 2 2 26	100 c.p. Pks. *s* 100 c.p. *s* 600 c.p. *s* 1,000 c.p. *s* 1,000 c.p. *s*	5.50 11.00 28.00 25.00 35.00	4,167.00 ‡	0.82
Jarvis	472	56	100 watt *m*	14.00	644.00	1.36
Kemptville	1,191	78	100 watt *m*	20.50	1,599.00	1.34

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
‡Installation and renewals paid by church.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Kincardine	2,047	113 13 21 13	150 c.p. *s* 400 c.p. *s* 100 watt *m* 200 watt *m*	24.00 29.00 18.00 29.00	3,844.00	1.88
Kingston	21,689	84 376 61	100 c.p. *s* 600 c.p. *s* 1,000 c.p. *s*		20,000.00	0.92
Kingsville	2,193	70 68 100 7	250 c.p. *s* 400 c.p. *s* 60 watt *m* 100 watt *m*	25.00 30.00 12.00 15.00	4,822.00	††
Kirkfield	.....	23	100 watt *m*	20.00	460.00	**
Kitchener	25,592	43 1905 59 338 22 65 27 77 145 16	16 c.p. *s* 80 c.p. *s* 100 watt *s* 200 watt *m* 250 c.p. *m* 300 watt *m* 300 watt *m* 300 watt *m* 500 watt *m* 1,000 c.p. *m*	8.00 10.00 10.00 14.00 17.00 17.00 18.50 21.00 26.00 26.00	32,573.70	1.27
Lakefield	1,291	101	100 watt *m*	18.00	1,906.31	1.48
Lambeth	.....	32 1	100 watt *m* 200 watt *m*	13.00 23.00	439.00	**
Lanark	594	36	100 watt *m*	20.00	720.00	1.21
Lancaster	571	41	100 watt *m*	36.50	1,496.50	2.62
La Salle	583	64	100 watt *m*	17.00	1,036.69	1.78
Leamington	4,576	145 20 91 38	100 watt *m* 200 watt *m* 400 c.p. *s* 600 c.p. *s*	14.00 18.00 30.00 35.00	5,279.59	††
Listowel	2,515	129 115 6 24 3	60 watt *m* 100 watt *m* 200 watt *m* 300 watt *m* 500 watt *m*	9.00 11.00 25.00 30.00 35.00	3,247.83	1.29
London	64,274	2492 72 259 89 173 27	150 c.p. *s* 400 c.p. *s* 400 watt *m* 500 watt *m* 600 watt *m* 200 watt *m*	11.00 28.00 28.00 45.00 35.00 15.00	41,996.88	††
London Twp.	.....	46	100 watt *m*	12.00	552.00	**

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Lucan	538	67	100 watt *m*	15.00	1,005.00	1.87
Lucknow	1,041	56	100 watt *m*	25.00	1,400.00	1.34
Lynden	.....	39	100 watt *m*	10.00	392.08	**
Markdale	879	84	150 c.p. *s*	8.00	650.00	0.74
Markham	945	20 80	60 watt *m* 100 watt *m*	11.50 15.00	1,430.00	1.51
Marmora	780	87	100 watt *m*	20.00	1,740.00	2.23
Martintown	.....	15	100 watt *m*	23.00	345.00	**
Maxville	800	59	150 c.p. *s*	35.00	2,054.18	2.55
Meaford	2,706	154 34	150 c.p. *s* 200 watt *m*	14.00 24.00	2,833.34	1.05
Merlin	.....	43	100 watt *m*	16.00	688.00	**
Merriton	2,601	285	100 watt *m*	9.00	2,565.00	0.99
Midland	8,085	344 30 36	150 c.p. *s* 300 watt *m* 500 watt *m*	10.00 44.00 44.00	6,676.92	0.83
Milton	1,963	200	100 watt *m*	10.00	2,099.94	1.07
Milverton	992	94 12	100 watt *m* 200 watt *m*	9.00 15.00	976.50	0.98
Mimico	5,244	206 104	100 watt *m* 200 watt *m*	15.00 23.00	5,426.29	1.03
Mitchell	1,720	214	100 c.p. *s*	9.00	1,926.00	1.12
Moorefield	.....	25	100 watt *m*	16.00	400.00	**
Mount Brydges	.....	40	100 watt *m*	11.00	440.00	**
Mount Forest	1,799	131 39 17	150 c.p. *s* 250 c.p. *s* 100 watt *m*	13.00 16.00 13.00	2,548.03	1.42
Neustadt	457	39	150 c.p. *s*	25.00	975.00	2.14
Newbury	285	46	100 watt *m*	16.00	736.00	2.58
New Hamburg	1,376	240	100 watt *m*	9.00	2,180.00	1.58
New Toronto	4,219	88 28 87 8 21 59 3	75 watt *m* 75 watt *m* 75 watt *m* 100 watt *m* 200 watt *m* 200 watt *m* 500 watt *m*	16.50 17.50 18.00 18.50 22.50 23.00 34.50	5,301.95	1.25

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Niagara Falls....	17,380	762	100 c.p. *s*	12.00	29,929.54	1.72
		58	600 c.p. *s*	57.00		
		125	600 c.p. *s*	57.00		
		196	1,000 c.p. *s*	57.00		
		2	100 watt *m*	12.00		
Niagara-on-the-Lake.....	1,613	202	100 watt *m*	10.00	2,407.18	1.49
		23	200 watt *m*	18.00		
Nipigon.....	.....	20	150 watt *m*	25.00	406.25	**
Norwich.....	1,328	114	100 watt *m*	10.00	1,910.00	1.44
		22	400 watt *m*	35.00		
Norwood.....	748	85	100 c.p. *s*	23.00	1,913.00	2.56
Oil Springs.....	471	43	100 watt *m*	16.00	685.30	1.45
Omemee.....	590	42	150 c.p. *s*	14.00	878.24	1.49
		10	400 c.p. *s*	28.00		
Orangeville.....	2,668	59	400 c.p. *s*	25.00	3,514.81	1.32
		94	150 c.p. *s*	19.00		
Ottawa.....	118,697	59	Arcs.	45.00	39,492.85	0.33
		401	100 c.p. *s*	7.00		
		341	400 c.p. *s*	25.00		
		746	600 c.p. *s*	35.00		
		2900	100 watt *m*	48c per ft.	18,673.32	*a*
		406	100 watt *m*	6.00		
Otterville.....	.....	31	100 watt *m*	13.00	403.00	**
Owen Sound.....	12,339	362	100 c.p. *s*	13.00	9,931.09	0.80
		75	150 c.p. *s*	13.50		
		51	250 c.p. *s*	16.00		
		3	500 c.p. *s*	40.00		
		28	400 c.p. *s*	23.00		
		38	1,000 c.p. *s*	40.00		
		46	100 watt *m*	11.00		
		43	200 watt *m*	14.00		
Paisley.....	750	88	100 watt *m*	18.00	1,584.00	2.11
Palmerston.....	1,573	100	80 c.p. *s*	9.00	1,411.92	0.90
		10	100 c.p. *s*	10.00		
		8	250 c.p. *s*	25.00		
		10	60 watt *m*	9.00		
		2	40 watt *m*	9.00		
		2	250 watt *m*	25.00		
		3	300 watt *m*	25.00		
Paris.....	4,234	430	100 c.p. *s*	9.00	5,728.50	1.35
		13	400 c.p. *s*	42.00		
		25	500 watt *m*	52.50		
Parkhill.....	1,091	75	100 watt *m*	14.00	1,412.50	1.29
		15	200 watt *m*	23.00		

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
*a*Collected as local improvement on frontage basis and not included in average cost.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Penetanguishene..	3,888	186	150 c.p. *s*	10.00	1,850.00	0.48
Perth.....	3,571	65 11 4 16	100 c.p. *s* 250 c.p. *s* 400 c.p. *s* 600 c.p. *s*	20.00 34.00 40.00 60.00	2,734.58	0.77
Peterborough....	21,495	600 372 194 1 115	60 watt *m* 100 watt *m* 300 watt *m* 500 watt *m* 400 c.p. *s*	9.00 10.00 18.00 34.00 43.00	16,994.82	0.79
Petrolia.....	2,638	145 24	100 c.p. *s* 400 c.p. *s*	11.00 38.00	2,529.96	0.96
Picton.....	3,206	212 85	100 c.p. *s* 250 c.p. *s*	10.00 17.00	3,561.74	1.11
Plattsville.....	.....	34	100 watt *m*	16.00	544.50	**
Point Edward....	1,442	58	150 c.p. *s*	12.00	783.00	0.54
Port Arthur.....	17,388	.....	.....	.....	17,167.10	0.99
Port Colborne....	5,352	248 108	100 watt *m* 200 watt *m*	13.00 17.00	3,947.34	0.74
Port Credit.....	1,247	145 76	100 watt *m* 200 watt *m*	10.00 16.00	1,679.00	1.35
Port Dalhousie...	1,563	85	100 watt *m*	16.00	1,360.00	0.87
Port Dover.....	1,642	123 19	100 watt *m* 300 watt *m*	15.00 35.00	2,186.41	1.33
Port McNicoll...	650	44	100 watt *m*	13.00	572.00	0.88
Port Perry.....	1,150	95	100 watt *m*	16.00	1,505.67	1.31
Port Rowan.....	696	51	100 watt *m*	18.00	819.00	1.18
Port Stanley.....	692	165	100 watt *m*	12.00	1,980.00	†
Prescott.....	2,692	164 108	100 watt *m* 2-Lt. brckts. *m*	10.00 17.00	3,425.00	1.27
Preston.....	5,649	1 322 34 6 8 6	600 c.p. *s* 150 c.p. *s* 1,000 c.p. *s* 1,000 c.p., Br. *s* 400 c.p., Br. *s* 5-Lt. stds. *s*	20.00 10.00 35.00 35.00 20.00 40.00	4,987.76	0.88
Priceville.....	.....	14	100 watt *m*	40.00	560.00	**
Princeton.....	.....	24	100 watt *m*	16.00	384.00	**

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
†Summer population not in statistics.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Queenston	.....	33	100 watt *m*	16.00	532.66	**
Richmond Hill	1,211	14 100	100 watt *m* 75 watt *m*	13.50 11.50	1,341.00	1.11
Ridgetown	1,942	170 18	100 c.p. *s* 400 c.p. *s*	12.00 25.00	2,426.34	1.25
Ripley	427	49	100 watt *m*	27.00	1,323.00	3.10
Riverside	3,612	74 167	250 c.p. *s* 100 watt *m*	20.00 11.00	2,319.89	††
Rockwood	.....	83	100 watt *m*	10.00	745.00	**
Rodney	691	83	100 watt *m*	10.00	830.04	1.20
Russell	.....	46	100 watt *m*	22.00	1,027.38	**
St. Catharines	22,043	2937	100 watt *m*	7.50	22,474.55	1.02
St. George	.....	36	100 watt *m*	8.00	288.00	**
St. Jacobs	.....	43	100 watt *m*	12.00	516.00	**
St. Marys	4,037	228 129	100 c.p. *s* 250 c.p. *s*	8.00 14.00	3,567.00	0.88
St. Thomas	16,746	1066 28 114	100 c.p. *s* 250 c.p. *s* 600 c.p. *s*	9.00 13.00 36.00	14,055.21	0.84
Sandwich	8,077	206 273 58 10 16	100 c.p. *s* 100 c.p. *s* 400 c.p. *s* 100 watt *m* 400 c.p. *s*	12.00 13.00 26.00 13.00 28.00	7,991.34	††
Sarnia	16,058	705 78 16	150 c.p. *s* 1,000 c.p. *s* 500 c.p. *s*	12.00 43.00 34.00	11,922.52	0.74
Scarboro Twp	.....	285 330 2	100 c.p. *s* 100 watt *m* Subway	17.00 15.00 19.00	9,691.69	**
Seaforth	1,808	60 22 20 73	80 c.p. *s* 80 c.p. *s* 300 watt *m* 100 c.p. *s*	9.00 10.00 20.00 10.00	1,573.33	0.87
Shelburne	1,031	95	150 c.p. *s*	12.00	1,140.00	1.11
Simcoe	4,354	270 27 11 2	100 c.p. *s* 1,000 c.p. *s* 150 watt *m* 500 watt *m*	9.00 40.00 9.00 53.00	3,048.23	0.70

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Smiths Falls	6,933	18 218 94	60 watt *m* 100 watt *m* 300 watt *m*	10.00 20.00 25.00	6,876.35	0.99
Springfield	405	47	100 watt *m*	15.00	705.00	1.74
Stamford Twp	.....	564	100 watt *m*	10.00	5,421.82	**
Stayner	954	76 18	150 c.p. *s* 200 watt *m*	14.00 18.00	1,388.00	1.45
Stouffville	1,067	95	100 watt *m*	16.00	1,522.00	1.43
Stratford	19,064	838 63 167 11	150 c.p. *s* 1,000 c.p. *s* 1,000 c.p. *s* 1,000 c.p. *s*	11.00 25.00 30.00 40.00	16,273.74	0.85
Strathroy	2,556	317 33	100 c.p. *s* 250 c.p. *s*	9.00 15.00	3,342.00	1.31
Sunderland	.....	30	100 watt *m*	18.00	540.00	**
Sutton	854	104	100 watt *m*	15.00	1,560.00	1.83
Tara	490	67	100 watt *m*	25.00	1,675.00	3.42
Tavistock	1,003	72 35	100 watt *m* 200 watt *m*	10.00 12.00	1,214.11	1.21
Tecumseh	1,786	60	100 watt *m*	14.00	842.39	††
Teeswater	850	20 36	400 c.p. *s* 150 c.p. *s*	45.00 28.00	1,908.00	2.24
Thamesford	.....	40	100 watt *m*	12.00	480.00	**
Thamesville	822	61 27 7	100 watt *m* 200 watt *m* 200 watt *m*	9.00 14.00 18.00	994.00	1.21
Thedford	480	67	100 watt *m*	17.00	1,139.00	2.37
Thorndale	.....	31	100 watt *m*	13.00	419.75	**
Thornton	.....	21	100 watt *m*	40.00	840.00	**
Thorold	5,328	285 73 35	60 watt *m* 100 watt *m* 200 watt *m*	10.00 12.00 17.00	4,036.00	0.76
Tilbury	1,987	104	100 watt *m*	10.00	1,048.99	0.53
Tillsonburg	3,119	253 48 2	100 c.p. *s* 250 c.p. *s* 1,000 c.p. *s*	9.00 15.00 48.00	3,086.25	0.99

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Toronto	549,429	7	50 watt *m*	6.56	476,037.12	0.87
		6	60 watt *m*	4.80		
		44591	100 watt *m*	8.00– 9.20		
		107	150 watt *m*	12.00–15.00		
		1533	200 watt *m*	18.00–23.00		
		91	250 watt *m*	20.00–24.50		
		1337	300 watt *m*	28.00		
		69	500 watt *m*	45.00		
		6	1,000 watt *m*	90.00		
		397	5-Lt. stds., 100 watt *m*	47.50		
		24	1-Lt. stds., 500 watt *m*	52.50		
		395	1-Ltd. stds., 300 watt *m*	50.00		
		63	1-Lt. stds., 500 watt *m*	47.50		
Toronto Twp.	.....	267	100 watt *m*	14.00	3,797.38	**
Tottenham	530	49	150 c.p. *s*	25.00	1,225.08	2.31
Uxbridge	1,484	129	100 watt *m*	14.00	1,806.00	1.22
Victoria Harbor	1,417	76	100 watt *m*	12.00	912.00	0.64
Walkerville	9,071	56	600 c.p. *s*	55.00	13,101.82	††
		286	100 watt *m*	10.00		
		463	150 watt *m*	12.00		
Wallaceburg	4,074	182	150 c.p. *s*	12.00	2,939.91	0.72
		30	600 c.p. *s*	25.00		
		3	1,000 c.p. *s*	38.00		
Wardsville	201	34	75 watt *m*	20.00	680.00	3.38
Warkworth	.....	24	100 watt *m*	25.00	864.00	**
		6	200 watt *m*	44.00		
Waterdown	849	87	100 watt *m*	11.00	957.00	1.13
Waterford	1,061	174	100 watt *m*	9.00	1,584.60	1.49
Waterloo	6,789	328	100 c.p. *s*	8.00	6,437.16	0.95
		125	150 c.p. *s*	10.00		
		44	5-Lt. stds. *m*	36.00		
		10	3-Lt. stds. *m*	25.00		
		12	200 watt *m*	12.00		
		38	150 watt *m*	10.00		
		6	500 watt *m*	35.00		
		3	500 watt *m*	90.00		
Watford	1,012	86	100 watt *m*	11.00	1,144.20	1.13
		11	200 watt *m*	18.00		
Waubaushene	.....	38	100 watt *m*	11.00	418.00	**
Welland	9,233	15	600 c.p. *s*	30.00	7,571.80	0.82
		455	100 watt *m*	11.00		
		125	200 watt *m*	18.00		
		6	500 watt *m*	28.00		

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1927, showing Cost per Lamp, Cost per Year, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Wellesley	.....	60	100 watt *m*	12.00	720.00	**
Wellington	821	65	100 c.p. *s*	13.00	845.00	1.03
West Lorne	840	81 10	100 watt *m* 200 watt *m*	10.00 18.00	991.68	1.18
Weston	4,002	109 417 5 2 2 20 2	600 c.p. *s* 100 c.p. *s* 5-Lt. stds. *m* 100 watt *m* 25 watt *m* 300 watt *m* Signs	36.00 7.50 23.00 7.50 5.00 11.50 150.00	7,980.43	1.99
Wheatley	682	65	100 watt *m*	15.00	954.75	1.40
Whitby	3,354	210 119 1	80 c.p. *s* 100 watt *m* 500 watt *m*	7.50 7.50 11.50	2,698.92	0.80
Williamsburg	.....	18	100 watt *m*	13.00	234.00	**
Winchester	1,120	117	100 watt *m*	10.00	1,170.00	1.04
Windsor	56,433	1856 791 636 602	100 c.p. *s* 100 c.p. *s* 400 c.p. *s* 600 c.p. *s*	12.00 13.00 26.00 45.00	73,963.56	††
Wingham	2,424	25 94 22	400 c.p. *s* 150 c.p. *s* 200 watt *m*	37.00 25.00 35.00	4,045.00	1.67
Woodbridge	749	81	100 watt *m*	11.00	901.16	1.20
Woodstock	10,140	483 38 172 109	100 c.p. *s* 250 c.p. *s* 60 watt *m* 100 watt *m*	8.00 20.00 8.00 8.00	6,848.04	0.68
Woodville	435	36	100 watt *m*	14.00	504.00	1.16
Wyoming	452	50	100 watt *m*	16.00	800.00	1.77
York East Twp.	.....	738 1 41	100 watt *m* 500 watt *m* 300 watt *m*	16.50 30.00 22.00–30.00	12,673.45	**
York North Twp.	.....	34 12 65	100 watt *m* 100 watt *m* 200 watt *m*	12.00 16.50 24.50	2,070.38	**
Zurich	.....	62	100 watt *m*	11.00	681.96	**

**Population not shown in Government statistics. *s*Series system. *m*Multiple system.
††Part of cost paid direct in the form of debenture charges.

STATEMENT "D"

Statistics Relating to the Supply of Electrical Energy to Consumers in Ontario Municipalities Served by the Hydro-Electric Power Commission

The following tabulation demonstrates the success attained by Ontario's municipal, co-operative electrical undertaking in supplying low-cost electrical energy and in encouraging its widespread use in the cities, towns and villages of the Province.*

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or of the smallness of the quantity of power required by the municipality, the cost per horsepower—and, consequently, the cost per kilowatt-hour to the consumer—must unavoidably be comparatively high, service has not been withheld when the consumers were able and willing to pay the cost. With the exception of the relatively small quantity of energy sold in such municipalities, the electricity provided by the Commission is sold to the consumers at strikingly low prices.

The accompanying diagram, which summarizes certain data of Statement "D," shows that the bulk of the electricity distributed by the co-operating municipalities is sold at very low prices and also shows that the total amount of the energy sold in the municipalities where circumstances necessitate the higher scales of charges is relatively insignificant.

It should be kept in mind that the revenues contributed by the consumers include, in addition to the cost of power, sums applicable to retirement of capital. The annual contributions during the past year to sinking fund and principal payments on debentures, in respect of the capital investments of the Commission and of the municipalities, together with surplus, amounted to about twenty per cent of the total revenue contributed by the consumers in the municipalities which collectively own the undertaking. Since these sums represent investments by the consumers which result in future reduction of rates, the cost of the electrical service itself to the consumers is virtually only eighty per cent of the

*In previous Annual Reports Statement "D" has presented comparative statistics for each municipality for all the years since electrical supply was first given. Considerations of space made it necessary to curtail this feature. Before being published in the Nineteenth Annual Report, Statement "D" was specially checked and corrected. If desired, reference may be made to that volume.

charges, per kilowatt-hour and per horsepower, indicated in Statement "D" and in the summary figures derived therefrom.

It should specially be noted that the cost per kilowatt-hour or per horsepower as a criterion by means of which to compare the relative economies of electrical service in various municipalities, should only be applied when full account is taken, respectively, of the influence upon costs of such factors as the distance from source of power, the features of the power developments from which service is received, the sizes and concentrations of adjacent markets for electricity, and the sizes and character of the loads—under the various classes of service—supplied by the local electrical utility to the ultimate consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, suburban areas (which are comparable in respect of conditions of supply to the smaller towns and villages) and certain rural areas. The populations and the approximate transmission distances are also given.

It should be recognized that the figures for "net cost per kilowatt-hour" are average costs. In any given municipality, individual consumers with a consumption in excess of the average for that municipality will pay a lesser average cost per kilowatt-hour and vice versa. Also, in two municipalities using the same rate structure, the lower average costs will be enjoyed by customers in the municipality with the greater average consumption per consumer. With respect to power service it should be understood that under the same rate structure a longer use of the service for any period increases the "cost per horsepower per year" but decreases the "average cost per kilowatt-hour." For the actual rates in force for various classes of service reference may be made to Statement "E."

A feature of the electrical service in Ontario municipalities is the strikingly large average annual consumption per domestic consumer. Of the 70 cities and towns with populations of 2,000 or more, seven have an average consumption per domestic consumer in excess of 2,000 kilowatt-hours per annum, 18, including the above, have an average consumption per consumer in excess of 1,500 kilowatt-hours per annum, and no less than 40, including the above, have an average consumption in excess of 1,000 kilowatt-hours per annum. In all, about 120 Ontario municipalities have an average consumption per domestic consumer in excess of 600 kilowatt-hours per annum.

The high average consumption for domestic service results chiefly from a combination of two factors, namely the policy of the undertaking in providing electrical service "at cost" and the scientifically designed three-part rate schedules which encourage liberal use of the service. Under the standard rate schedules employed by more than 95 per cent of the Ontario municipalities it is, even where the higher initial rates per kilowatt-hour obtain, only necessary for the domestic consumer to reach a monthly charge of less than $2.50 when he obtains the benefit of a follow-up rate of 1.8 cents net. This places the cost of electric cooking within the reach of nearly every domestic consumer. It is estimated that about 60,000 electric ranges are now in use in Ontario and the number is increasing rapidly.

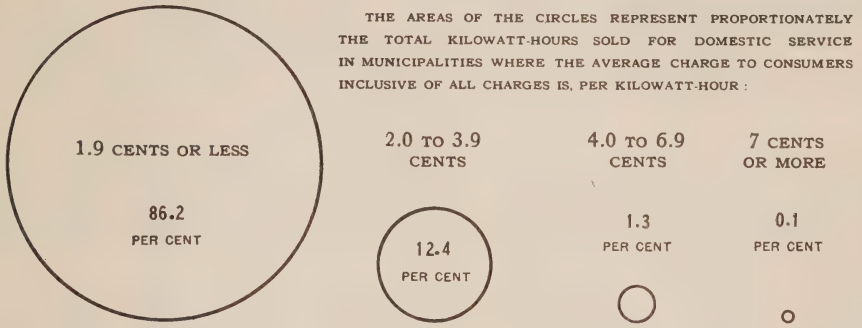
COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY THE

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

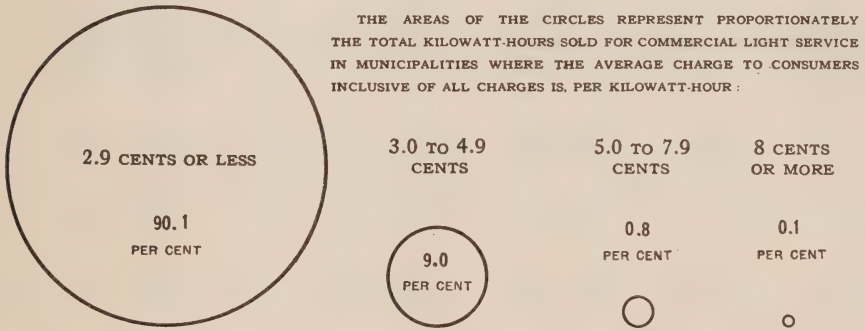
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR :



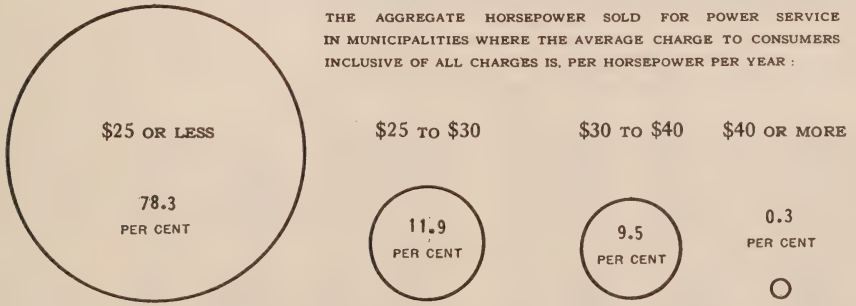
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR :



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR :



STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group I—CITIES

Municipality	System	Population	Distance from generating station	Domestic service: Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Brantford	Nia.	27,410	79	139,770.28	8,891,164	5,957	126	1.98	1.5
Chatham	Nia.	14,142	193	67,929.54	3,823,216	3,727	85	1.52	1.8
Galt	Nia.	12,604	92	100,797.72	5,160,100	3,281	132	2.57	1.9
Guelph	Nia.	19,230	75	82,139.61	4,818,456	4,706	85	1.46	1.7
Hamilton	Nia.	122,459	53	608,033.78	37,758,311	27,642	116	1.87	1.6
Kingston	C. O.	21,689	50	92,065.50	3,105,331	4,986	52	1.54	3.0
Kitchener	Nia.	25,592	95	154,096.59	9,123,750	5,813	134	2.26	1.6
London	Nia.	64,274	123	376,867.48	24,073,317	16,065	125	1.96	1.5
Niagara Falls	Nia.	17,380	1	127,762.79	10,385,725	4,103	214	2.64	1.2
Ottawa	Ott.	118,697	1	253,890.90	27,898,607	11,365	205	1.87	0.9
Owen Sound	G. B.	12,339	32	43,753.39	2,319,102	2,846	68	1.29	1.8
Peterborough	C. O.	21,495	2	95,209.21	4,349,645	5,096	70	1.55	2.1
Port Arthur	T. B.	17,388	73	83,195.43	5,921,278	3,757	136	1.91	1.4
St. Catharines	Nia.	22,043	18	116,155.76	9,340,578	5,371	147	1.83	1.2
St. Thomas	Nia.	16,746	134	80,849.13	4,994,862	3,998	105	1.70	1.6
Sarnia	Nia.	16,058	205	89,306.61	4,287,590	4,298	84	1.75	2.0
Stratford	Nia.	19,064	119	135,506.36	7,243,395	4,174	145	2.72	1.9
Toronto	Nia.	549,429	78	2,461,280.58	147,915,354	128,250	96	1.60	1.6
Toronto DC & 60 cycle*	.....	.....	.....	108,252.51	3,218,797	2,301	117	3.92	3.4
Welland	Nia.	9,233	14	51,840.24	2,711,693	2,125	106	2.04	1.9
Windsor	Nia.	56,433	238	502,438.86	31,014,406	13,742	189	3.07	1.6
Woodstock	Nia.	10,140	94	63,016.66	3,962,825	2,603	127	2.04	1.5

*This,—with the exception of a relatively small D.C. power load,—is a special service not created by the Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. The service has been continued at the request of the customers who preferred to retain the electrical apparatus installed for this special service, and has been continued at the rates prevailing before the service was acquired by the Commission.

Group II—TOWNS

			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Alexandria	St. L.	2,280	30	6,637.03	111,228	271	34	2.05	5.9
Amherstburg	Nia.	2,907	257	18,541.67	642,095	597	90	2.61	2.8
Aylmer	Nia.	2,158	145	8,984.12	383,278	555	58	1.37	2.3
Barrie	G. B.	7,339	48	33,959.34	2,064,800	1,714	100	1.65	1.6
Brampton	Nia.	4,835	78	26,430.95	1,736,998	1,279	114	1.74	1.5
Brockville	St. L.	9,091	62	30,910.04	911,279	2,271	34	1.16	3.3
Carleton Place	Rid.	4,221	47	17,593.16	398,399	863	38	1.71	4.4
Collingwood	G. B.	6,002	24	24,282.40	987,400	1,323	62	1.53	2.4
Dundas	Nia.	5,005	52	16,965.78	930,838	1,018	75	1.38	1.8
Dunnville	Nia.	3,349	37	7,767.67	260,448	496	45	1.35	2.9

"D"

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1927

Population, 10,000 or more

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
28,946.54	2,589,909	670	326	3.64	1.1	133,018.60	99	6,592	20.17	6,726
49,547.50	2,047,967	674	253	6.13	2.4	74,717.68	116	2,991	24.98	4,517
43,140.98	1,786,979	498	296	7.16	2.4	80,915.66	122	3,575	22.63	3,901
42,931.55	1,976,614	664	248	5.39	2.2	105,751.37	118	5,725	18.47	5,488
132,469.60	10,496,098	2,941	304	3.85	1.2	453,286.71	765	27,046	16.75	31,348
74,111.96	2,516,841	786	267	7.85	2.9	64,191.78	133	3,524	18.22	5,905
85,171.25	4,457,976	827	458	8.76	1.9	243,664.49	231	11,207	21.74	6,871
173,676.42	9,409,991	2,213	365	6.75	1.8	381,482.73	495	18,278	20.87	18,773
48,109.33	3,647,337	638	486	6.41	1.4	77,901.56	83	3,546	21.96	4,824
124,751.38	7,766,275	1,489	435	7.00	1.6	89,372.09	200	6,105	14.63	13,054
26,245.39	1,502,523	541	230	4.02	1.7	27,461.66	110	1,632	16.82	3,497
64,356.65	2,635,362	845	259	6.34	2.4	89,337.42	154	4,709	18.97	6,095
52,920.94	2,934,806	756	352	6.36	1.8	707,787.92	85	34,478	20.52	4,598
25,976.09	1,699,937	542	268	4.09	1.5	74,473.54	125	4,688	15.88	6,038
41,244.75	2,098,717	632	273	5.37	1.9	61,233.23	104	3,344	18.31	4,734
40,114.94	1,717,992	576	249	5.83	2.3	122,339.57	77	3,510	34.85	4,951
44,734.92	1,910,353	572	280	6.56	2.3	53,175.35	143	2,402	22.13	4,889
1,921,220.07	80,221,081	21,235	315	7.54	2.4	2,359,310.45	3,316	95,084	24.81	152,801
401,999.55	9,687,241	2,526	319	13.26	4.1	663,483.13	1,317	19,921	33.31	6,144
29,880.12	1,340,343	397	279	6.22	2.2	70,716.45	80	3,327	21.25	2,602
225,153.40	11,421,645	1,962	519	10.24	1.9	216,142.57	366	8,477	25.49	16,070
33,628.02	1,718,074	433	332	6.51	1.9	43,959.98	90	2,568	17.11	3,126

NOTE.—The figures for power service for Toronto do not include street railway power, exhibition power and bulk supply to certain other municipalities for street lighting purposes.

NOTE.—The above group of 21 municipalities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

of Population, 2,000 or more

$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
4,213.15	68,854	100	59	3.70	6.1	10,902.60	17	251	43.43	388
7,127.73	191,952	134	124	4.60	3.1	4,373.41	18	170	25.72	749
6,224.41	260,089	127	168	4.02	2.3	5,645.89	12	225	25.09	694
16,504.92	848,748	321	225	4.39	1.9	14,435.03	34	689	20.94	2,069
11,524.80	581,199	220	220	4.36	1.9	15,213.92	53	813	18.71	1,552
20,126.24	699,535	378	153	4.40	2.8	43,583.41	69	1,530	28.48	2,718
8,951.78	189,603	179	88	4.16	4.7	21,470.21	16	609	35.25	1,058
10,656.22	360,166	258	116	3.44	2.9	20,820.93	56	1,007	20.67	1,637
9,063.67	437,076	166	233	4.84	2.0	20,112.53	45	1,164	17.27	1,229
9,796.96	331,979	179	157	4.53	2.9	13,184.12	24	612	21.54	699

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group II—TOWNS

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Elmira	Nia.	2,535	107	13,505.64	689,757	489	118	2.33	1.9
Ford City	Nia.	12,689	239	73,307.79	4,230,482	2,512	143	2.47	1.7
Goderich	Nia.	4,211	167	20,530.56	812,177	1,061	64	1.61	2.5
Hanover	G. B.	2,834	35	17,067.05	480,420	636	62	2.22	3.5
Hespeler	Nia.	2,804	90	14,338.89	660,892	655	84	1.83	2.1
Huntsville	G. B.	2,760	26	10,712.48	253,588	515	42	1.79	4.2
Ingersoll	Nia.	5,047	104	29,952.75	1,803,020	1,286	117	1.95	1.6
Kincardine	G. B.	2,047	69	11,390.18	223,027	465	40	2.08	5.1
Kingsville	Nia.	2,193	255	11,676.26	329,002	652	55	1.98	3.5
Leamington	Nia.	4,576	263	19,099.09	519,426	1,183	37	1.38	3.6
Listowel	Nia.	2,515	154	12,392.65	589,115	642	76	1.60	2.1
Meaford	G. B.	2,706	23	9,605.49	240,918	571	36	1.44	3.9
Merritton	Nia.	2,601	16	10,622.20	616,274	600	86	1.48	1.7
Midland	G. B.	8,085	25	29,469.58	1,785,829	1,544	96	1.59	1.6
Mimico	Nia.	5,244	75	44,317.15	2,620,569	1,464	149	2.52	1.7
New Toronto	Nia.	4,219	76	23,060.64	1,266,449	1,058	102	1.86	1.8
Orangeville	G. B.	2,668	47	7,821.90	243,146	465	45	1.47	3.2
Paris	Nia.	4,234	76	20,003.25	1,233,317	1,075	97	1.57	1.6
Penetang	G. B.	3,888	29	7,325.67	373,812	522	60	1.18	1.9
Perth	Rid.	3,571	21	18,545.46	550,633	797	58	1.96	3.3
Petrolia	Nia.	2,638	231	10,057.20	400,208	631	53	1.33	2.5
Picton	C. O.	3,206	33	15,028.51	659,817	911	61	1.40	2.2
Port Colborne	Nia.	5,352	21	24,926.50	1,190,678	1,044	92	1.93	2.0
Prescott	St. L.	2,692	48	9,712.78	537,893	574	78	1.41	1.8
Preston	Nia.	5,649	86	40,037.73	2,006,927	1,466	114	2.29	1.9
Riverside	Nia.	3,612	243	41,608.85	2,023,899	941	189	3.88	2.0
St. Marys	Nia.	4,037	133	21,137.31	997,399	981	84	1.79	2.1
Sandwich	Nia.	8,077	245	101,530.75	5,411,525	2,578	184	3.46	1.8
Simcoe	Nia.	4,354	103	10,435.32	518,507	698	64	1.30	2.0
Smiths Falls	Rid.	6,933	38	39,285.83	944,296	1,561	51	2.13	4.1
Strathroy	Nia.	2,556	150	14,813.79	727,253	731	83	1.69	2.0
Thorold	Nia.	5,328	9	17,667.06	943,931	1,171	67	1.26	1.8
Tillsonburg	Nia.	3,119	116	12,230.09	593,205	764	65	1.34	2.6
Walkerville	Nia.	9,071	239	94,449.28	6,609,156	2,325	242	3.46	1.4
Wallaceburg	Nia.	4,074	211	15,159.27	652,645	910	60	1.39	2.3
Waterloo	Nia.	6,789	96	47,825.73	2,773,178	1,616	145	2.51	1.7
Weston	Nia.	4,002	80	30,225.27	1,922,474	1,408	116	1.83	1.5
Whitby	C. O.	3,354	80	14,544.75	737,163	734	85	1.68	1.9
Wingham	G. B.	2,424	70	10,151.02	240,287	495	41	1.74	4.2

NOTE.—The above group of 49 municipalities utilizes about 12 per cent of the power distributed by the Commission to Ontario municipalities.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1927

Population, 2,000 or more

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
5,895.74	217,997	116	157	4.27	2.7	14,819.02	18	563	26.32	623
17,243.72	712,810	254	247	5.98	2.4	45,183.94	42	1,654	27.31	2,808
9,787.63	313,231	199	131	4.10	3.1	23,671.71	17	789	30.00	1,277
6,543.25	123,695	113	92	4.88	5.2	19,651.54	17	624	31.49	766
4,766.36	188,068	110	142	3.61	2.5	17,155.50	18	743	23.04	783
5,904.52	149,566	114	115	4.55	3.9	16,560.39	11	994	16.66	640
13,041.65	651,010	241	221	4.43	2.0	25,268.72	45	1,048	24.11	1,572
6,773.50	115,254	112	84	4.99	5.9	7,110.64	18	258	27.56	595
6,611.21	172,379	142	104	3.99	3.8	4,428.48	18	179	24.74	812
12,742.56	282,226	223	109	4.96	4.5	6,092.41	21	200	30.46	1,427
6,653.06	246,452	151	138	3.74	2.7	9,906.44	22	384	25.79	815
5,451.50	141,870	135	89	3.44	3.8	4,375.14	13	186	23.52	719
1,789.36	77,510	55	117	2.71	2.3	12,170.55	4	548	22.11	659
11,979.57	614,868	232	224	4.37	1.9	88,330.25	60	4,557	19.38	1,836
7,375.56	282,880	121	195	5.08	2.6	9,150.11	16	444	20.61	1,601
7,386.43	380,316	114	290	5.64	1.9	112,275.94	25	4,160	26.98	1,197
5,799.36	188,256	140	112	3.45	3.0	6,863.52	19	316	21.72	624
6,170.43	275,544	187	124	2.77	2.2	15,043.64	22	794	18.94	1,284
2,663.98	136,952	98	115	2.24	1.9	15,137.77	29	612	24.73	649
11,617.84	300,912	182	138	5.34	3.8	17,988.09	21	562	32.00	1,000
6,810.29	186,160	180	86	3.15	3.6	28,679.75	68	885	32.41	879
7,510.09	293,318	190	125	3.20	2.2	9,726.13	47	448	21.71	1,148
11,362.24	490,646	222	191	4.44	2.3	13,335.43	19	445	29.96	1,285
5,811.60	270,226	155	150	3.22	2.1	6,764.18	23	322	21.00	752
19,317.74	827,436	220	319	7.45	2.3	42,829.89	52	1,846	23.20	1,738
5,882.03	201,177	58	322	9.42	2.9	10,177.72	8	269	37.83	1,007
7,731.36	289,017	194	128	3.33	2.6	22,266.59	42	883	25.21	1,217
18,508.86	693,714	176	356	9.52	2.6	9,042.76	29	397	22.77	2,783
13,821.90	734,826	238	266	5.00	1.8	13,826.06	32	542	25.49	968
16,783.46	375,642	242	128	5.73	4.4	20,357.70	38	841	32.52	1,841
7,558.49	289,103	157	153	4.01	2.6	11,634.85	27	455	25.57	915
6,113.31	329,056	190	146	2.72	1.8	11,561.41	11	497	23.26	1,372
10,553.35	444,806	215	176	4.18	2.3	12,905.22	28	538	23.98	1,007
31,431.19	1,495,132	327	398	8.36	2.1	83,633.82	97	3,121	26.79	2,749
8,099.47	329,079	200	137	3.37	2.5	91,185.32	28	3,355	27.18	1,138
17,027.43	706,872	198	299	7.20	2.4	34,063.57	67	1,664	20.47	1,881
6,075.43	259,881	150	139	3.24	2.3	45,151.52	27	1,794	25.17	1,585
7,011.83	277,477	137	176	4.46	2.5	17,620.16	13	678	25.98	884
6,791.14	138,610	160	73	3.58	4.8	12,234.25	25	414	29.55	680

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE.—The power used in the smaller places and rural districts is, and probably must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages, townships and rural districts, is less than 10 per cent. of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power, however, exerts

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Acton	Nia.	1,835	91	8,325.56	379,698	455	70	1.52	2.2
Agincourt	Nia.	P.V.	93	3,332.90	85,635	125	58	2.29	3.8
Ailsa Craig	Nia.	418	148	2,265.18	48,622	123	33	1.53	4.7
Alliston	G. B.	1,280	74	9,026.72	162,684	324	41	2.32	5.5
Alvinston	Nia.	632	267	3,425.78	60,789	147	34	1.94	5.6
Ancaster Twp.	Nia.	4,377	59	12,693.09	390,746	557	58	1.89	3.2
Apple Hill	St. L.	P V.	19	944.42	17,000	34	41	2.31	5.5
Arkona	Nia.	363	250	2,006.05	30,908	89	28	1.87	6.4
Arthur	G. B.	1,102	63	3,982.14	55,615	142	31	2.28	7.1
Ayr	Nia.	810	84	3,148.07	99,732	177	48	1.51	3.1
Baden	Nia.	P.V.	103	2,512.96	102,589	114	75	1.85	2.4
Barton Twp.	Nia.	7,774	46	22,387.91	749,003	1,130	56	1.69	2.9
Beachville	Nia.	P.V.	101	1,555.83	52,453	102	43	1.28	2.9
Beaverton	G. B.	978	28	6,358.63	199,952	338	49	1.57	3.1
Beeton	G. B.	561	80	3,261.33	52,446	107	40	2.53	6.2
Belle River	Nia.	669	250	4,099.52	111,082	158	61	2.27	3.6
Blenheim	Nia.	1,569	202	6,349.06	235,819	456	44	1.18	2.6
Bloomfield	C. O.	649	29	2,480.90	35,490	135	22	1.55	6.9
Blyth	Nia.	643	161	2,984.30	44,232	123	30	2.02	6.7
Bolton	Nia.	631	98	2,727.14	56,416	134	35	1.70	4.8
Bothwell	Nia.	648	217	2,870.72	80,047	157	42	1.52	3.6
Bradford	G. B.	991	74	4,558.93	68,227	184	32	2.14	6.6
Brantford Twp.	Nia.	7,112	79	14,670.08	564,648	654	74	1.93	2.5
Brechin	G. B.	P.V.	18	875.58	14,711	38	32	1.91	5.9
Brigden	Nia.	P.V.	233	2,057.84	47,247	100	39	1.71	4.4
Brussels	Nia.	822	159	4,621.37	95,896	165	49	2.39	4.8
Burford	Nia.	P.V.	83	3,673.49	103,889	181	48	1.72	3.5
Burgessville	Nia.	P.V.	116	1,147.60	26,198	49	43	1.91	4.3
Caledonia	Nia.	1,450	65	3,016.40	102,916	203	44	1.30	2.9
Campbellville	Nia.	P.V.	96	994.50	12,962	35	31	2.37	7.7
Cannington	G. B.	880	36	4,173.97	129,593	225	49	1.59	3.2
Cayuga	Nia.	696	82	1,808.97	38,258	73	44	2.07	4.7
Chatsworth	G. B.	274	23	1,337.45	18,850	59	26	1.88	7.0
Chesley	C. B.	1,746	46	7,027.30	195,839	380	43	1.56	3.5
Chesterville	St. L.	1,038	44	3,780.50	113,232	194	50	1.69	3.3

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1927

VILLAGES, AND SUBURBAN AND RURAL AREAS

upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small and isolated water power developments throughout the Province. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D," page 327.

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
2,671.13	104,831	67	130	3.32	2.6	11,846.89	18	373	31.76	540
587.37	11,193	15	62	3.26	5.2	1,982.42	2	66	30.03	142
957.60	15,602	40	32	2.00	6.1	1,751.23	2	48	36.48	165
4,329.95	62,944	95	55	3.79	6.8	1,781.26	14	93	19.15	433
1,849.09	26,669	56	40	2.75	6.8	2,728.72	4	62	44.01	207
1,748.37	53,255	46	105	3.46	3.2	536.66	3	41	13.08	606
649.33	9,864	17	48	3.18	6.4	524.00	1	12	43.66	52
1,011.24	15,615	28	46	3.00	6.4	884.76	3	24	36.82	120
3,199.96	33,059	77	35	3.46	9.6	2,259.40	4	51	44.30	223
1,125.41	26,403	45	49	2.08	4.2	996.79	4	44	22.65	226
857.08	27,731	25	92	2.85	3.0	7,625.87	5	259	29.44	144
2,443.42	97,607	69	114	2.86	2.5	4,661.88	4	149	31.28	1,203
613.97	20,171	25	62	1.89	3.0	7,212.65	3	254	28.39	130
2,028.43	87,804	57	126	2.91	2.3	2,172.90	11	103	21.09	406
2,580.70	37,693	35	89	6.14	6.8	3,160.07	6	94	33.61	148
1,764.53	46,421	32	133	5.07	3.8	1,355.88	4	57	23.73	194
4,162.35	169,948	109	136	3.33	2.4	4,647.02	14	207	22.30	579
1,189.10	19,822	22	75	4.50	5.9	3,665.22	9	104	35.24	166
1,428.19	20,671	42	41	2.83	6.9	624.65	3	27	23.14	168
1,252.52	19,106	41	40	2.67	6.5	3,389.66	8	96	35.30	183
1,434.82	42,798	49	73	2.44	3.4	6,527.09	13	157	41.58	219
3,056.98	41,456	53	65	4.80	7.3	5,950.35	7	160	37.18	244
3,481.58	144,533	48	273	6.58	2.4	3,217.04	6	122	26.36	708
925.70	18,613	24	62	3.08	4.9	1,320.99	4	37	35.70	66
1,332.87	31,345	38	69	2.92	4.2	591.05	5	20	29.55	143
2,250.38	41,610	55	66	3.60	5.4	587.66	1	15	39.17	221
1,036.82	29,905	36	69	2.40	3.4	1,625.35	4	60	27.08	221
415.19	7,871	13	50	2.66	5.2	1,196.65	1	30	39.88	63
3,562.76	132,715	79	147	3.95	2.6	3,394.72	9	133	25.52	291
401.99	5,380	7	64	4.79	7.5	.....	.....	.....	.....	42
2,104.12	62,874	69	98	3.30	3.3	1,169.43	12	63	18.56	306
1,687.81	28,762	43	56	3.27	5.9	1,446.39	4	32	45.20	120
839.23	12,460	27	38	2.59	6.7	.....	.....	.....	.....	86
4,089.32	117,281	99	96	3.37	3.4	8,268.86	18	232	35.64	497
2,199.84	69,400	60	93	2.95	3.1	7,501.79	3	199	37.69	257

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III.—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Chippawa	Nia.	1,101	4	5,205.94	237,376	250	79	1.74	2.1
Clifford	Nia.	490	173	1,718.76	25,357	76	28	1.96	6.7
Clinton	Nia.	1,974	155	9,470.03	406,218	485	68	1.63	2.3
Coldwater	G. B.	620	17	2,055.40	72,332	123	49	1.39	2.8
Comber	Nia.	P.V.	216	2,286.28	50,731	95	46	2.09	4.5
Cookstown	G. B.	P.V.	65	2,045.13	23,361	88	22	1.98	8.7
*Cottam	Nia.	P.V.	257	1,939.92	34,022	87	32	1.85	5.7
Courtright	Nia.	416	215	1,628.21	23,568	63	31	2.15	6.9
Creemore	G. B.	652	60	1,780.31	53,643	148	30	1.01	3.3
Dashwood	Nia.	P.V.	163	1,327.98	23,824	60	33	1.84	5.6
Delaware	Nia.	P.V.	137	901.59	14,844	41	30	1.83	6.1
Dorchester	Nia.	P.V.	129	2,462.29	29,676	127	19	1.61	8.2
Drayton	Nia.	568	169	2,650.96	58,143	141	34	1.57	4.6
Dresden	Nia.	1,384	210	4,349.87	138,893	336	34	1.08	3.1
Drumbo	Nia.	P.V.	90	1,507.33	41,766	82	42	1.53	3.6
Dublin	Nia.	P.V.	140	872.84	14,486	38	32	1.91	6.0
Dundalk	G. B.	710	18	2,062.63	49,402	147	28	1.16	4.1
Durham	G. B.	1,658	23	4,608.18	139,420	341	34	1.15	3.3
Dutton	Nia.	865	152	2,791.27	101,234	198	43	1.19	2.7
Elmvale	G. B.	P.V.	32	1,964.03	61,911	130	40	1.29	3.1
Elmwood	G. B.	P.V.	40	909.55	12,404	48	21	1.61	7.3
Elora	Nia.	1,174	94	4,769.63	174,436	276	57	1.57	2.7
Embro	Nia.	458	107	2,226.44	54,671	91	50	2.03	4.0
Erieau	Nia.	203	210	2,666.74	44,004	105	37	2.24	6.0
†Erie Beach	Nia.	31	209	1,098.67	8,455	53	14	1.85	13.0
Essex	Nia.	1,721	254	8,182.84	218,010	385	48	1.79	3.7
Etobicoke Twp.	Nia.	13,744	73	67,600.88	2,804,410	3,150	74	1.79	2.4
Exeter	Nia.	1,582	155	8,553.41	335,797	421	66	1.69	2.5
Fergus	Nia.	1,780	94	9,369.76	370,312	501	61	1.56	2.5
Flesherton	G. B.	412	7	2,357.57	36,278	97	30	2.00	6.4
Fonthill	Nia.	701	25	3,669.43	120,143	195	52	1.60	3.0
Forest	Nia.	1,421	256	8,791.13	232,257	439	44	1.67	3.8
Georgetown	Nia.	1,985	100	9,276.06	423,437	635	56	1.24	2.1
Glencoe	Nia.	802	229	4,328.62	69,093	215	27	1.69	6.3
Grand Valley	G. B.	655	51	2,707.90	53,834	127	35	1.79	5.0
Granton	Nia.	P.V.	147	1,243.78	38,576	76	42	1.36	3.2
Gravenhurst	G. B.	1,768	7	6,551.38	219,535	366	50	1.49	3.0
Hagersville	Nia.	1,231	75	3,671.26	169,736	259	55	1.19	2.1
Harriston	Nia.	1,247	167	4,192.56	116,926	284	34	1.25	3.5
Harrow	Nia.	P.V.	267	4,721.50	151,503	177	71	2.22	3.1

*13 months operation.
†Unusual conditions—Summer Resorts.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service During the Year 1927

VILLAGES, AND SUBURBAN AND RURAL AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
1,545.43	68,900	35	173	3.90	2.2	5,819.07	5	101	57.61	290
1,114.91	16,532	34	40	2.48	6.7	125.34	1	5	25.06	111
4,249.23	139,503	124	94	2.85	3.0	4,738.58	14	173	27.39	623
1,221.37	41,845	50	68	1.99	2.9	1,670.23	5	69	24.20	178
1,761.58	35,804	48	62	3.05	4.9	5,245.68	3	134	39.14	146
1,490.13	20,046	36	46	3.44	7.4	88.24	2	8	11.03	126
1,443.40	30,494	24	105	5.01	4.7	480.43	2	21	22.89	113
972.43	23,716	17	116	4.77	4.1	.....	.....	.....	.....	80
1,417.33	38,822	59	54	1.98	3.7	1,657.20	5	61	27.16	212
770.01	11,957	24	41	2.67	6.4	1,702.01	1	51	33.37	85
585.89	8,575	16	45	3.05	6.8	.....	.....	.....	.....	57
851.76	12,036	22	50	3.54	7.0	654.20	2	31	21.10	151
1,925.70	33,350	55	51	2.92	5.8	1,704.17	5	57	29.90	201
3,735.39	134,119	118	95	2.64	2.8	4,313.59	14	151	28.57	468
611.30	10,976	22	41	2.31	5.5	890.61	2	29	30.71	106
562.02	8,012	19	35	2.47	7.0	1,505.03	4	36	41.81	61
1,772.86	50,511	75	55	1.94	3.5	3,097.59	5	126	24.59	227
3,324.23	106,368	97	91	2.85	3.1	12,288.40	8	432	28.44	446
2,189.70	67,894	70	79	2.57	3.2	3,028.67	7	128	23.66	275
1,368.25	40,033	53	60	2.07	3.3	4,282.55	10	164	26.11	193
489.70	6,075	20	26	2.14	7.9	1,342.49	1	31	43.30	69
3,065.75	90,580	72	104	3.54	3.3	8,688.01	4	317	27.40	352
1,164.11	20,865	40	44	2.48	5.5	1,666.04	4	64	26.03	135
826.96	15,212	8	211	11.48	5.4	.....	.....	.....	.....	113
125.00	1,455	2	60	5.21	8.6	.....	.....	.....	.....	55
5,722.61	148,556	120	104	4.04	3.8	5,640.88	17	200	28.20	522
17,164.87	620,031	280	185	5.11	2.8	11,490.86	22	533	21.56	3,452
4,009.97	120,151	109	92	3.07	3.3	7,060.99	10	263	26.85	540
4,398.29	132,319	105	105	3.49	3.3	6,934.99	15	260	26.67	621
1,449.07	34,184	35	86	3.65	4.2	433.21	1	25	17.32	133
679.35	20,804	25	69	2.26	3.2	430.65	3	16	26.91	223
4,439.46	110,799	123	75	3.01	4.0	4,306.68	22	163	26.42	584
4,709.71	196,678	125	134	3.21	2.3	18,503.33	25	694	26.66	785
2,583.31	39,841	70	41	3.09	6.5	2,082.49	5	71	29.33	290
2,144.42	37,006	53	59	3.43	5.7	2,089.44	3	70	29.84	183
719.52	21,686	29	62	2.07	3.3	1,496.31	1	43	34.80	106
5,095.32	172,915	68	212	6.24	2.8	9,897.38	12	306	32.34	446
3,588.35	158,812	95	145	3.28	2.2	23,682.95	13	1,014	23.35	367
2,979.16	61,832	89	56	2.69	4.8	5,856.22	10	206	28.42	383
3,012.98	72,390	55	109	4.56	4.1	2,700.64	6	80	33.75	238

STATEMENT

Statistics Relating to the Supply of Electric Energy of Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Havelock	C. O.	1,073	25	5,567.63	105,240	287	30	1.60	5.2
Hensall	Nia.	786	161	3,108.90	73,759	159	38	1.63	4.2
Highgate	Nia.	399	217	1,524.13	37,815	90	35	1.44	4.0
Holstein	G. B.	P.V.	34	841.73	6,802	42	13	1.71	12.3
Humberstone	Nia.	2,144	22	7,538.19	223,139	368	50	1.46	3.3
Jarvis	Nia.	472	81	1,341.54	26,373	76	31	1.59	5.0
Kemptville	Rid.	1,191	62	5,716.97	113,578	257	36	1.83	5.0
Kirkfield	G. B.	P.V.	35	563.87	10,288	22	39	2.13	5.4
Lakefield	C. O.	1,291	8	5,564.62	109,926	257	37	1.91	5.0
Lambeth	Nia.	P.V.	130	2,867.51	93,202	98	78	2.42	3.0
Lanark	Rid.	594	21	2,228.38	29,224	102	24	1.85	7.6
Lancaster	St. L.	571	25	1,741.38	18,752	72	21	1.97	9.2
La Salle	Nia.	583	248	6,814.29	249,922	140	154	4.19	2.7
London Twp.	Nia.	7,431	128	7,699.61	229,417	276	74	2.49	3.3
Lucan	Nia.	538	141	3,924.13	135,772	165	68	1.98	2.9
Lucknow	G. B.	1,041	68	4,977.23	89,568	235	33	1 84	5.5
Lynden	Nia.	P.V.	62	1,600.41	49,418	78	53	1 73	3.2
Markdale	G. B.	879	7	2,731.94	65,165	170	32	1 34	4.1
Markham	Nia.	945	114	4,396.22	99,606	222	36	1 62	4.4
Marmora	C. O.	780	20	2,617.77	43,050	161	23	1 43	6.0
Martintown	St. L.	P.V.	14	772.58	8,112	28	24	2.29	9.5
Maxville	St. L.	800	26	3,075.54	31,919	130	20	1.98	9.6
Merlin	Nia.	P.V.	219	1,765.67	30,689	96	26	1.51	5.7
Milton	Nia.	1,963	88	9,690.34	369,218	442	71	1.86	2.6
Milverton	Nia.	992	139	3,595.46	140,872	203	60	1.54	2.5
Mitchell	Nia.	1,720	135	7,479.44	314,292	427	62	1.47	2.3
Moorefield	Nia.	P.V.	168	767.73	12,118	41	23	1.48	6.3
*Mt. Brydges	Nia.	P.V.	141	2,539.34	46,785	111	35	1.90	5.4
Mt. Forest	G. B.	1,799	38	6,823.01	192,522	367	45	1.60	3.5
Neustadt	G. B.	457	40	1,970.61	19,393	86	19	1.95	10.1
Newbury	Nia.	285	223	839.63	15,416	59	22	1.22	5.4
New Hamburg	Nia.	1,376	106	7,503.73	352,471	320	93	1.99	2.1
Niagara-on-the-Lake	Nia.	1,613	13	10,201.72	519,043	397	111	2.18	1.9
Nipigon	T. B.	P.V.	14	1,796.81	26,676	93	25	1.74	6.7
Norwich	Nia.	1,328	110	6,039.30	307,277	335	74	1.45	1.9
Norwood	C. O.	748	10	3,767.81	74,488	207	30	1.53	5.0
Oil Springs	Nia.	449	226	1,334.97	33,429	67	42	1.69	3.9
Omemee	C. O.	590	15	2,232.88	49,066	120	34	1.56	4.5
Otterville	Nia.	P.V.	115	2,052.93	67,200	112	50	1.52	3.0
Paisley	G. B.	750	56	3,138.98	49,975	157	27	1.70	6.2

*Estimated.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1927

VILLAGES, AND SUBURBAN AND RURAL AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
1,466.53	30,117	50	50	2.44	4.8	6,281.83	3	188	33.40	340
1,251.14	24,313	51	41	2.04	5.1	2,914.59	12	110	26.50	222
1,002.14	24,977	37	57	2.31	4.0	2,773.91	6	75	36.98	133
517.79	4,747	18	21	2.39	10.0	175.78	1	8	21.97	61
2,785.48	76,217	58	107	3.93	3.6	3,904.38	8	173	22.57	434
1,145.87	27,202	32	70	2.98	4.2	4,488.80	4	132	34.00	112
7,302.69	156,457	86	176	8.22	4.6	4,611.00	6	113	40.80	349
587.61	11,235	15	58	3.06	5.2	517.83	1	20	25.89	38
4,433.90	70,176	75	81	5.13	6.3	2,927.99	8	117	25.02	340
802.76	22,450	18	98	3.52	3.6	312.92	2	15	20.86	118
1,215.95	13,790	31	35	3.16	8.8	151.50	2	5	30.30	135
1,406.15	14,734	31	43	4.18	9.5	173.82	1	3	57.94	104
2,550.70	81,395	22	331	10.37	3.1	.....	.....	.....	.....	162
733.36	18,976	9	243	9.40	3.8	1,060.18	2	32	33.13	287
1,156.98	28,839	38	60	2.44	4.0	2,682.58	10	95	28.23	213
3,130.26	42,975	80	45	3.34	7.3	3,729.70	4	100	37.29	319
803.08	30,312	19	132	3.52	2.6	3,346.54	1	92	36.37	98
2,024.44	56,807	74	61	2.19	3.5	1,437.17	9	74	19.42	253
2,203.30	37,751	59	56	3.27	5.8	3,173.89	9	94	33.76	290
1,627.66	30,895	50	51	2.71	5.2	265.28	4	16	16.58	215
687.71	8,456	17	41	3.37	8.1	.....	.....	.....	.....	45
1,907.21	24,280	48	42	3.31	7.8	222.30	2	5	44.46	180
1,359.54	34,712	37	80	3.14	3.9	4,549.34	4	113	40.25	137
4,243.34	140,660	93	125	3.78	3.0	30,159.26	23	1,024	29.45	558
2,026.03	73,464	70	90	2.48	2.7	17,387.04	9	456	38.35	282
3,692.71	126,105	114	94	2.77	2.9	6,718.71	24	298	22.54	565
882.56	11,134	31	31	2.53	7.9	1,421.01	2	40	35.52	74
383.57	5,754	23	19	1.28	6.6	666.52	4	20	33.32	138
5,372.81	133,991	136	82	3.29	4.0	6,511.54	12	264	24.66	515
953.54	11,600	25	38	3.17	8.2	2,054.77	4	52	39.51	115
392.14	6,564	22	23	1.42	5.9	726.65	1	24	30.27	82
3,479.89	118,807	87	116	3.39	2.9	7,189.14	14	297	24.20	421
2,757.95	107,546	67	133	3.43	2.5	1,986.16	7	80	24.57	471
1,765.23	31,925	15	110	6.12	5.5	.....	.....	.....	.....	108
2,791.64	93,116	84	89	2.67	2.9	2,913.26	8	127	22.93	427
2,009.05	32,150	68	39	2.49	6.2	1,742.11	4	67	26.00	279
827.48	19,417	31	54	2.29	4.2	10,861.06	37	327	33.21	135
1,123.44	25,541	40	56	2.46	4.3	2,273.30	8	114	19.94	168
1,065.46	33,600	35	90	2.86	3.1	1,313.79	4	43	30.55	151
1,782.99	33,595	53	57	3.03	5.3	1,102.23	3	33	33.40	213

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Palmerston	Nia.	1,573	161	7,688.67	358,219	365	82	1.77	2.1
Parkhill	Nia.	1,091	157	4,205.93	89,600	205	36	1.70	4.7
Plattsville	Nia.	P.V.	96	1,722.96	26,321	75	27	1.77	6.5
Point Edward	Nia.	1,442	209	5,163.39	188,564	276	57	1.56	2.7
Port Credit	Nia.	1,247	69	8,990.78	532,088	338	132	2.24	1.6
Port Dalhousie	Nia.	1,563	21	9,586.72	506,715	548	77	1.47	1.8
Port Dover	Nia.	1,642	108	5,441.33	127,998	302	36	1.54	4.2
Port McNicoll	G. B.	650	21	3,154.75	81,820	164	46	1.79	3.8
Port Perry	G. B.	1,150	58	5,941.29	127,989	263	41	1.94	4.6
Port Rowan	Nia.	696	124	837.13	18,330	45	33	1.55	4.5
*Port Stanley	Nia.	692	146	8,678.66	.....	567	.....	.....	....
Priceville	G. B.	P.V.	12	513.58	4,342	24	15	1.78	11.8
Princeton	Nia.	P.V.	96	1,838.54	32,737	78	34	1.96	5.6
Queenston	Nia.	P.V.	7	2,451.01	107,879	60	144	3.29	2.2
Richmond Hill	Nia.	1,211	103	5,253.98	215,746	307	58	1.43	2.4
Ridgetown	Nia.	1,942	211	8,647.61	375,407	504	63	1.46	2.3
Ripley	G. B.	427	69	2,535.88	31,972	85	32	2.54	7.9
Rockwood	Nia.	P.V.	87	2,123.13	80,634	120	53	1.41	2.6
Rodney	Nia.	691	163	2,512.70	63,809	180	29	1.16	2.9
Russell	St. L.	P.V.	58	2,385.72	25,401	96	23	2.18	9.3
St. Clair Beach	Nia.	130	247	1,736.81	55,227	35	124	3.91	3.1
St. George	Nia.	P.V.	82	1,893.67	106,278	119	75	1.33	1.7
St. Jacobs	Nia.	P.V.	102	2,283.12	106,649	102	95	2.04	2.1
Scarboro Twp.	Nia.	15,325	87	62,394.42	2,057,425	3,159	55	1.67	3.0
Seaforth	Nia.	1,808	147	9,556.22	386,450	572	57	1.42	2.5
Shelburne	G. B.	1,031	31	5,038.10	124,267	275	37	1.53	4.0
Springfield	Nia.	405	151	2,070.33	51,215	89	49	1.98	4.0
Stamford Twp.	Nia.	5,767	2	36,834.48	2,478,956	1,193	181	2.69	1.4
Stayner	G. B.	954	53	2,748.40	95,863	210	39	1.12	2.8
Stouffville	Nia.	1,067	110	4,698.18	93,525	243	33	1.66	5.0
Sunderland	G. B.	P.V.	44	2,096.44	35,520	102	29	1.71	5.9
Sutton	Nia.	854	114	5,544.77	80,946	320	22	1.50	6.8
Tara	G. B.	490	34	2,551.09	33,041	103	26	2.06	7.7
Tavistock	Nia.	1,003	129	5,613.26	281,956	239	102	2.04	2.0
Tecumseh	Nia.	1,786	246	13,706.77	439,408	376	96	3.00	3.1
Teeswater	G. B.	850	58	4,566.69	69,799	190	31	2.06	6.5
Thamesford	Nia.	P.V.	136	1,763.41	48,476	111	37	1.37	3.6
Thamesville	Nia.	822	207	3,531.41	128,127	214	51	1.42	2.7
Thedford	Nia.	480	268	2,103.17	38,785	122	27	1.46	5.4
Thorndale	Nia.	P.V.	136	1,756.29	33,317	69	40	2.13	5.2

*Unusual conditions. Summer Resorts.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1927

VILLAGES, AND SUBURBAN AND RURAL AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
3,965.99	172,100	93	154	3.55	2.3	8,228.57	8	263	31.28	466
2,479.15	44,590	71	54	3.04	5.5	1,549.03	4	49	31.61	280
860.99	14,621	27	45	2.65	5.8	322.09	2	25	12.88	104
1,568.83	37,803	44	73	3.04	4.1	16,862.06	14	664	25.39	334
3,953.48	154,888	71	174	4.45	2.5	1,471.54	5	78	18.86	414
1,705.68	74,148	43	167	3.84	2.3	4,122.00	11	163	25.28	602
3,858.77	94,883	119	71	2.89	4.0	4,788.93	11	186	25.74	432
652.64	18,617	27	62	2.17	3.5	.....	.....	.....	.....	191
2,256.13	43,376	57	62	3.24	5.2	4,109.06	12	147	27.95	332
1,330.44	23,467	28	69	3.95	5.6	.....	.....	.....	.....	73
2,622.76	74,843	75	84	2.95	3.5	4,057.55	10	116	34.97	652
244.62	2,188	9	20	2.26	11.1	.....	.....	.....	.....	33
821.63	14,360	19	66	3.80	5.7	274.23	1	10	27.42	98
188.55	6,184	7	85	2.61	3.0	708.66	1	24	29.52	68
2,736.14	86,477	50	150	4.75	3.1	2,934.84	12	146	20.10	369
4,492.22	169,600	126	112	2.97	2.6	4,747.27	20	270	17.58	650
2,602.25	21,167	43	41	5.04	12.2	.....	.....	.....	.....	128
710.40	21,313	30	55	1.85	3.3	364.45	2	11	33.13	152
1,777.51	49,462	72	58	2.08	3.5	1,802.46	4	69	26.12	256
1,671.28	15,025	32	39	4.35	11.1	400.82	1	22	18.21	129
1,674.62	33,527	8	558	27.91	4.9	287.23	2	12	23.93	45
671.99	32,063	33	80	1.69	2.0	1,821.09	4	79	23.05	156
1,050.77	30,195	32	88	3.07	3.4	3,057.97	6	108	28.31	140
13,109.37	391,793	227	158	5.29	3.3	21,370.11	26	735	29.07	3,412
4,546.68	189,538	127	127	3.06	2.4	6,178.17	13	274	22.55	712
3,123.32	84,023	94	76	2.86	3.7	3,841.74	12	181	21.22	381
651.76	12,520	25	42	2.21	5.2	3,822.53	4	119	32.12	118
3,046.07	75,497	84	83	3.38	4.0	5,219.61	12	262	19.91	1,289
2,121.43	74,877	64	95	2.71	2.8	2,695.96	8	122	22.09	282
2,527.35	39,110	75	44	2.84	6.4	1,542.06	4	53	29.09	322
1,190.50	20,512	33	51	3.00	5.8	883.49	3	31	28.30	138
2,251.21	32,900	56	56	3.83	6.8	565.44	3	18	31.41	379
2,142.82	19,223	34	44	4.96	11.1	1,043.81	5	36	28.99	142
1,326.24	57,581	63	73	1.70	2.3	8,849.81	5	359	24.65	307
2,907.77	59,608	44	108	5.27	4.8	196.46	3	7	28.06	423
2,533.44	34,987	60	52	3.77	7.2	3,252.68	7	124	26.23	257
1,280.21	37,963	30	109	3.67	3.3	3,580.54	6	101	35.45	147
2,665.61	77,370	70	84	2.92	3.4	2,626.81	7	99	26.53	291
1,156.35	21,036	39	46	2.57	5.5	889.18	2	31	28.68	163
739.84	17,582	21	48	2.87	5.9	1,275.24	1	30	42.50	91

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

GROUP III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from generating station	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Thornton	G. B.	P.V.	58	975.45	13,700	45	27	1.91	7.1
Tilbury	Nia.	1,987	209	5,468.78	180,107	332	47	1.43	3.0
Toronto Twp	Nia.	7,973	67	45,039.20	1,775,067	1,327	114	2.90	2.6
Tottenham	G. B.	530	82	2,602.66	32,994	116	24	1.89	7.8
Trafalgar Twp	Nia.	3,898	.....	9,882.04	410,776	207	177	4.26	2.4
Uxbridge	G. B.	1,484	60	5,431.91	137,162	252	47	1.85	4.0
Victoria Harbor	G. B.	1,417	17	2,224.10	55,774	141	33	1.32	4.0
Wardsville	Nia.	201	225	953.15	11,249	48	19	1.65	8.4
Warkworth	C. O.	P.V.	17	1,780.41	27,793	83	29	1.87	6.4
Waterdown	Nia.	849	57	3,927.68	192,137	200	81	1.65	2.0
Waterford	Nia.	1,061	94	5,069.63	273,725	299	77	1.44	1.8
Watford	Nia.	1,012	256	5,731.17	156,851	262	51	1.86	3.7
Waubaushene	G. B.	P.V.	12	1,579.40	40,882	108	31	1.21	3.9
Wellesley	Nia.	P.V.	111	1,934.06	62,970	110	49	1.52	3.0
Wellington	C. O.	821	22	4,303.39	82,357	240	29	1.52	5.2
West Lorne	Nia.	840	159	2,469.19	60,616	179	27	1.17	4.0
Wheatley	Nia.	682	279	3,243.76	72,853	160	40	1.80	4.4
Williamsburg	St. L.	P.V.	28	1,133.17	19,333	55	28	1.73	5.8
Winchester	St. L.	1,120	38	5,049.76	178,087	263	57	1.62	2.8
Woodbridge	Nia.	749	85	3,368.54	158,317	198	68	1.44	2.1
Woodville	G. B.	435	40	1,791.88	36,271	92	32	1.60	5.0
Wyoming	Nia.	452	239	1,968.80	31,466	120	23	1.41	6.2
York, East Twp.	Nia.	21,434	86	112,089.76	3,739,945	6,377	50	1.51	2.9
York, North Twp.	Nia.	8,800	84	43,976.56	1,328,817	1,527	87	2.88	3.3
Zurich	Nia.	P.V.	168	2,289.86	52,358	110	41	1.82	4.3

"D"—Concluded

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1927

VILLAGES, AND SUBURBAN AND RURAL AREAS

Commercial light service						Power service				Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average horse-power	Average cost per horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cts.	$ c.			$ c.	
438.51	6,514	15	36	2.44	6.8	503.62	2	16	31.48	62
5,117.26	159,879	109	124	3.98	3.2	12,748.30	14	513	24.85	455
8,688.59	239,650	137	160	5.81	3.6	6,474.36	16	255	25.39	1,480
1,906.02	23,307	51	40	3.24	8.1	1,058.45	5	38	27.85	172
649.41	14,596	2	608	27.06	4.4	1,190.92	12	52	22.90	221
3,196.37	64,106	95	56	2.82	5.0	1,493.58	11	76	19.65	358
1,006.15	24,315	35	58	2.40	4.1	.....	.....	.....	.....	176
813.83	8,838	17	47	4.37	9.2	.....	.....	.....	.....	65
1,136.18	18,926	40	39	2.37	6.1	.....	.....	.....	.....	123
759.93	35,066	27	99	2.14	2.1	1,692.51	5	65	26.04	232
1,882.71	79,675	75	95	2.25	2.3	5,856.33	13	136	43.06	387
3,248.70	69,199	76	75	3.54	4.7	2,694.45	6	77	35.00	344
403.81	10,658	18	47	1.77	3.8	920.41	5	27	34.09	131
757.52	21,688	30	60	2.10	3.4	2,927.40	4	91	32.16	144
2,095.04	48,480	56	74	3.20	4.3	3,774.80	8	109	34.63	304
1,618.67	66,306	56	98	2.40	2.4	8,138.35	6	323	25.19	241
2,756.31	56,460	62	78	3.83	4.9	1,136.32	2	34	30.48	224
493.87	8,157	20	35	2.11	6.0	270.70	1	15	18.05	76
2,105.70	60,834	57	89	3.08	3.5	1,372.34	3	59	23.26	313
1,400.82	51,274	47	92	2.53	2.7	2,818.02	7	124	22.72	252
822.52	16,553	23	57	2.86	4.9	1,373.09	3	50	27.46	118
1,155.70	19,969	41	39	2.29	5.8	235.40	1	10	23.54	162
10,687.81	347,437	252	152	4.66	3.0	46,609.56	27	1,765	26.40	6,656
7,389.85	171,198	101	161	6.96	4.3	5,201.56	21	197	26.40	1,649
1,341.88	29,411	43	55	2.54	4.6	1,979.88	3	46	43.04	156

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1927, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Acton	31.85	33	60	2.5	1.25	0.83	10
Agincourt	43.00	33	50	4.5	2	1.11	10
Ailsa Craig	44.90	33	50	4	2	0.83	10
Alexandria	55.98	33	60	6	2	1.39	10
Alliston	58.56	33	30	8	2	1.67	10
Alvinston	84.78	33	40	6	2	1.66	10
Amherstburg	37.61	33	50	4	2	0.83	10
Ancaster twp	27.47	33	50	4	2	0.83	10
Apple Hill	51.96	33	60	6	2	1.66	10
Arkona	88.21	33	40	6	2	1.66	10
Arthur	84.53	33	35	7	3	1.94	10
Aylmer	34.19	33	60	2.5	1.25	0.83	10
Ayr	33.70	33	60	2.5	1.25	1.11	10
Baden	32.54	33	60	2.5	1.5	0.83	10
Barrie	30.33	33	60	2	1	0.83	10+10
Barton twp	31.00	33	55	3	1.5	1.11	10
Beachville	33.03	33	55	3	1.5	0.83	10
Beaverton	37.51	33	60	2.5	1.25	1.11	10
Beeton	70.96	33	30	8	2	1.67	10
Belle River	34.83	33	60	5	2	1.11	10
Blenheim	37.42	33	60	2.5	1.5	0.83	10
Bloomfield	64.26	33	40	5	2	1.11	10
Blyth	61.35	33	45	5	2	1.66	10
Bolton	45.14	33	45	5	2	1.11	10
Bothwell	41.85	33	55	3	1.5	0.83	10
Bradford	68.56	33	30	8	2	1.67	10
Brampton	29.50	33	60	2	1	0.83	10
Brantford	26.46	33	60	2	1	0.83	10
Brantford twp	26.46	33	60	2.5	1.25	1.11	10
Brechin	51.78	33	40	6	2	1.67	10
Bridgeport	.....	3*	.....	2.5**	1.25	.....	10
Brigden	82.19	33	50	4	2	1.38	10
Brockville	30.05	33	60	2.5	1.25	0.83	10
Brussels	51.03	33	45	5	2	1.66	10
Burford	44.45	33	55	3	1.5	1.11	10
Burgessville	46.16	33	45	5	2	1.11	10
Caledonia	27.85	33	60	2.5	1.25	0.83	10
Campbellville	65.82	33	30	8	2	2.22	10
Cannington	41.02	33	55	3	1.5	1.11	10
Carleton Place	49.93	33	40	5	2	1.11	10

*Service charge per 100 square feet.
**Per kilowatt-hour for first 3 kilowatt-hours per 100 square feet.

"E"

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 120 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month net	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	4.5	2	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	4	2	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	6	2	1.94	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	6	2	1.66	10	59.00	1.00	7.1	4.7	0.33	min. 3.00	.....	10
5	4	2	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4	2	0.83	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	6	2	2.22	10	56.00	1.00	6.5	4.4	0.33	.....	.....	10
5	6	2	1.66	10	59.00	1.00	7.1	4.7	0.33	min. 3.00	.....	10
5	7	3	1.94	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	2.5	1.25	0.83	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	2.5	1.25	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.5	1.5	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	1	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3	1.5	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.25	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	5	2	1.11	10	44.00	1.00	4.8	3.2	0.33	.....	.....	10
5	2.5	1.5	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	5	2	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	5	2	1.66	10	65.00	1.00	8	5.3	0.33	.....	.....	10
5	5	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	3	1.5	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	2	1	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
‡3.5	‡‡1.75	0.35	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	1.25	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	6	2	1.67	10	54.00	1.00	6.3	4.2	0.33	.....	.....	10
5	‡5 ‡‡2.5	0.5	.....	10	58.00	1.00	6.8	4.6	0.50	max. 5.25	.....	10
5	4	2	1.38	10	52.00	1.00	6.0	4.0	0.33	min. 5.00	.....	10
5	2.5	1.25	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	5	2	1.66	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	3	1.5	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	5	2	1.11	10	45.00	1.00	4.9	3.3	0.33	min. 2.22	.....	10
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	8	2	2.22	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	3	1.5	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	5	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10

‡First 30 hours, per kilowatt-hour.
‡‡Next 70 hours, per kilowatt-hour.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1927, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Cayuga	59.72	33	45	5	2	1.66	10
Chatham	29.04	33	60	2.5	1.25	0.83	10
Chatsworth	46.21	33	45	6	2	1.67	10
Chesley	40.80	33	55	3.5	2	1.11	10
Chesterville	42.08	33	50	3.0	1.5	0.83	10
Chippawa	25.38	33	60	2.5	1.25	1.11	10
Clifford	55.90	33	45	5	2	1.66	10
Clinton	36.09	33	60	2.5	1.5	0.83	10
Coldwater	38.35	33	55	2.5	1.25	1.11	10
Collingwood	38.81	33	55	3	1.5	0.83	10
Comber	42.83	33	50	4	2	1.38	10
Cookstown	53.44	33	30	8	2	1.67	10
Cottam	46.57	33	35	7	2	1.66	10
Courtright	74.50	33	40	6	2	2.22	10
Creemore	55.25	33	55	3	1.5	0.83	10
Dashwood	45.51	33	40	6	2	1.38	10
Delaware	36.89	33	45	5	2	1.38	10
Dorchester	33.29	33	55	3.5	1.75	0.83	10
Drayton	53.23	33	50	4.5	2	1.11	10
Dresden	41.68	33	60	2.5	1.25	0.83	10
Drumbo	43.58	33	50	4	2	1.11	10
Dublin	51.00	33	40	6	2	1.66	10
Dundalk	38.59	33	55	3	1.5	1.11	10
Dundas	24.20	33	60	2	1	0.83	10
Dunnville	39.80	33	55	3	1.5	0.83	10
Durham	32.60	33	50	3	2	0.83	10
Dutton	35.76	33	60	2.5	1.25	0.83	10
Elmira	30.12	33	60	2.5	1.5	0.83	10
Elmvale	33.62	33	55	3	1.5	0.83	10
Elmwood	46.20	33	60	6	2	1.39	10
Elora	33.46	33	60	2.5	1.5	0.83	10
Embro	73.76	33	50	4	2	1.67	10
Erieau	52.89	33	40	6	2	2.22	10
Erie Beach	58.87	33	35	7.5	2	2.22	10
Essex	32.98	33	50	4	2	0.83	10
Etobicoke twp	28.74	33	55	2.8	1.4	0.83	10
Exeter	36.10	33	55	3	1.5	0.83	10
Fergus	33.40	33	55	3	1.5	1.11	10
Flesherton	42.24	33	50	4	2	1.67	10
Fonthill	33.46	33	55	3	1.5	1.11	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 120 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month net	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	5	2	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	6	2	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	3.5	2	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3.0	1.5	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.5	1.25	1.11	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	5	2	1.66	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	2.5	1.50	0.83	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	2.5	1.25	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3	1.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4	2	1.38	10	40.00	1.00	4.3	2.8	0.33	min. 3.33	.....	10
5	8	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
5	7	2	1.66	10	57.00	1.00	6.8	4.5	0.33	min. 2.22	.....	10
5	6	2	2.22	10	76.00	1.00	9.6	6.4	0.33	.....	.....	10
5	3	1.5	0.83	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	6	2	1.38	10	57.00	1.00	6.8	4.5	0.33	min. 2.77	.....	10
5	5	2	1.38	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3.5	1.75	0.83	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	4.5	2	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	4	2	1.11	10	44.00	1.00	4.8	3.2	0.33	.....	.....	10
5	6	2	1.66	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	3	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	3	1.5	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3	2	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	2.5	1.25	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	2.5	1.5	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3	1.5	0.83	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	6	2	1.39	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	2.5	1.5	0.83	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	4	2	1.67	10	48.00	1.00	5.4	3.6	0.33	min. 2.22	.....	10
5	6	2	2.22	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	7.5	2	2.22	10	65.00	1.00	8.0	5.3	0.33	.....	.....	10
5	4	2	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.8	1.4	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3	1.5	0.83	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	3	1.5	1.11	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	4	2	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1927, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Ford City	31.91	33	60	2.5	1.25	1.11	10
Forest	45.65	33	50	4	2	1.11	10
Forest Hill	.....	33	60	2.6	1.3	0.83	10
Fort William	24.00	*a*	.....	3.0	.....	0.55	10
		b	.....	3	1.5	1.11	10
Galt	26.48	33	60	2.5	1.5	0.83	10
Gamebridge	.....	33	40	6	2	1.67	10
Georgetown	33.37	33	60	2	1	0.83	10
Glencoe	54.20	33	50	4	2	1.11	10
Glen Williams	.....	33	55	3	1.5	0.83	10
Goderich	40.07	33	55	3	1.5	0.83	10
Grand Valley	65.19	33	45	5	2	1.39	10
Granton	42.91	33	55	3	1.5	1.11	10
Gravenhurst	23.04	33	55	2.5	1.25	1.11	10
Guelph	25.36	33	60	2	1	0.83	10
Hagersville	29.18	33	60	2	1	0.83	10
Hamilton	24.80	33	60	2	1	0.83	10
Hanover	35.19	33	50	4	2	1.11	10
Harriston	40.64	33	55	3	1.5	0.83	10
Harrow	38.19	33	50	4	2	0.83	10
Havelock	48.49	33	60	5.5	2	0.83	10
Hensall	44.19	33	55	3.5	1.75	1.11	10
Hespeler	27.88	33	60	2.5	1.25	0.83	10
Highgate	40.51	33	50	4	2	1.11	10
Holstein	153.21	33	60	9	5	1.67	10
Hornings Mills	.....	33	30	8	2	1.67	10
Humberstone	27.66	33	55	3.5	1.75	0.83	10
Huntsville	26.30	33	50	4	2	1.11	10
Ingersoll	27.84	33	60	2	1.2	0.83	10
Jarvis	35.04	33	50	4	2	1.11	10
Kemptville	49.67	33	35	6	2	1.11	10
Kincardine	64.38	33	40	6	2	1.67	10
Kingston	25.00	3*	.....	3**	1.5	0.83	10
Kingsville	37.20	33	55	3.5	1.75	0.83	10
Kirkfield	57.03	33	40	6	2	2.22	10
Kitchener	26.44	33	60	2	1.25	0.83	10
Lakefield	49.23	33	50	5.5	2	1.11	10
Lambeth	38.95	33	50	4	2	1.38	10
Lanark	69.93	33	35	7	2	1.38	10
Lancaster	110.96	33	60	8	2	1.94	10
LaSalle	35.09	33	45	5	2	1.11	10

*Service charge per 100 square feet.
**Per kilowatt-hour for first 3 kilowatt-hours per 100 square feet.
a General lighting.
b Lighting and cooking—Rate schedules based on floor area of house.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 120 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month net	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.5	1.25	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	4	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.6	1.3	0.83	10	25.00	1.00	2.0	1.4	0.50	max. 2.50	.....	10
.....	3	3	0.55	c	19.75	1.00	1.75	1.0	0.1	.....	.....	10
5	2.5	1.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	6	2	1.67	10	54.00	1.00	6.3	4.2	0.33	.....	.....	10
5	2	1	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4	2	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	1.5	0.83	10	39.00	1.00	4.1	2.7	0.33	.....	.....	10
5	3	1.5	0.83	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	5	2	1.39	10	56.00	1.00	6.6	4.4	0.33	.....	.....	10
5	3	1.5	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.5	1.25	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	2	1	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	2	1	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
.....	‡3.5 ‡‡1.75	0.35	0.83	10	20.00	1.00	1.67	1.11	0.133	.....	10	10
5	4	2	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3	1.5	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	4	2	0.83	10	45.00	1.00	4.9	3.3	0.33	min. 2.22	.....	10
5	5.5	2	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.5	1.75	1.11	10	40.00	1.00	4.3	2.8	0.33	min. 2.22	.....	10
5	2.5	1.25	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	4	2	1.11	10	44.00	1.00	4.8	3.2	0.33	.....	.....	10
5	9	5	1.67	10	74.00	1.00	9.3	6.2	0.33	.....	.....	10
5	8	2	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3.5	1.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	4	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2	1.2	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	4	2	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	6	2	1.38	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	6	2	1.67	10	43.00	1.00	4.7	3.1	0.33	.....	.....	10
.....	‡6 ‡‡3	1	0.83	10	21.00	1.00	1.83	1.233	0.156	.....	10	10
5	3.5	1.75	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	6	2	2.22	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	2	1.25	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	5.5	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	4	2	1.38	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	7	2	1.94	10	65.00	1.00	7.8	5.2	0.33	.....	.....	10
5	8	2	2.78	10	70.00	1.00	8.6	5.7	0.33	.....	.....	10
5	5	2	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10

*c*Graded discounts.
‡First 30 hours, per kilowatt-hour.
‡‡Next 70 hours, per kilowatt-hour.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1927, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Leamington	33.33	33	55	3.5	1.75	0.83	10
Listowel	34.92	33	60	2.5	1.25	0.83	10
London	25.29	33	60	2	1.25	0.83	10
London twp	34.87	33	50	4	2	1.11	10
Louth twp	23.99			Rural	Rates		
Lucan	33.60	33	55	3.5	1.75	1.11	10
Lucknow	68.73	33	45	5	2	1.67	10
Lynden	35.78	33	55	3	1.5	1.38	10
Markdale	34.61	33	55	3	1.5	1.11	10
Markham	50.44	33	45	5	2	1.11	10
Marmora	47.71	33	60	5	2	1.11	10
Martintown	50.42	33	60	7	2	1.66	10
Maxville	82.21	33	60	8	2	1.66	10
Meaford	40.03	33	55	3	2	1.11	10
Merlin	42.98	33	45	5	2	1.11	10
Merritton	21.67	33	60	2	1	0.83	10
Midland	25.70	33	60	2	1	0.83	10
Milton	31.66	33	55	3	1.75	0.83	10
Milverton	32.63	33	60	2.5	1.5	0.83	10
Mimico	25.63	33	60	2.5	1.25	0.83	10
Mitchell	31.49	33	60	2.5	1.5	0.83	10
Moorefield	56.91	33	45	5	2	1.11	10
Mount Brydges	40.60	33	50	4	2	1.11	10
Mount Forest	45.80	33	55	3	2	1.11	10
Neustadt	65.39	33	60	8	2	1.67	10
Newbury	48.98	33	45	5	2	1.11	10
New Hamburg	34.16	33	60	2.5	1.5	0.83	10
New Toronto	27.65	33	60	2	1.25	0.83	10
Niagara Falls	19.30	3*	.....	2**	1	0.83	10
Niagara-on-the-Lake	29.24	33	60	2.5	1.25	0.83	10
Nipigon twp	28.04	33	40	6	2	1.67	10
Norwich	33.50	33	60	2.5	1.25	0.83	10
Norwood	39.90	33	50	5	2	1.11	10
Oil Springs	39.10	33	50	4	2	1.11	10
Omemee	35.00	33	60	4	2	1.11	10
Orangeville	47.17	33	55	3	1.5	1.11	10
Ottawa	11.07	3*	.....	2**	1 & ½	0.83	10
Otterville	39.96	33	55	3	1.5	1.11	10
Owen Sound	29.20	33	60	2	1	0.83	10
Paisley	56.02	33	45	5	2	1.67	10

*Service charge per 100 square feet.
**Per kilowatt-hour for first 3 kilowatt-hours per 100 square feet.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 120 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month net	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	3.5	1.75	0.83	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	2.5	1.25	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1.25	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	.....	10
5	4	2	1.11	10	32.00	1.00	3.1	2	0.33	.....	.....	10
		Rural	Rates					Rural	Rates			
5	3.5	1.75	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	5	2	1.67	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3	1.5	1.38	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	3	1.5	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	5	2	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	5	2	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	7	2	2.22	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	8	2	2.22	10	65.00	1.00	8.0	5.3	0.33	.....	.....	10
5	3	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	5	2	1.11	10	43.00	1.00	4.7	3.1	0.33	min. 2.22	.....	10
5	2	1	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2	1	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	3	1.75	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	2.5	1.5	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.5	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	5	2	1.11	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	4	2	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	8	2	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	5	2	1.11	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	2.5	1.5	0.83	10	32.00	1.00	3.1	2	0.33	.....	.....	10
5	2	1.25	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
.....	‡4	0.4	0.83	10	21.00	1.00	1.83	1.233	0.156	.....	10	10
	‡‡2											
5	2.5	1.25	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	6	2	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	5	2	1.11	10	40.00	1.00	4	2.6	0.33	.....	.....	10
5	4	2	1.11	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	4	2	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	.....	10
5	3	1.5	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
.....	‡5	0.5	0.83	10	22.00	1.00	1.8	1.2	0.15	.....	15	10
	‡‡2.2											
5	3	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	5	2	1.67	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10

‡First 30 hours, per kilowatt-hour.
‡‡Next 70 hours, per kilowatt-hour.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1927, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Palmerston	37.18	33	60	2.5	1.25	0.83	10
Paris	27.71	33	60	2	1	0.83	10
Parkhill	56.29	33	50	4.5	2	1.38	10
Penetang	30.70	33	60	2	1	0.83	10
Perth	47.18	33	50	4	2	1.11	10
Peterboro	31.53	33	50	3	1.5	0.83	10
Petrolia	38.49	33	60	2.5	1.25	0.83	10
Picton	53.69	33	60	2.5	1.25	0.83	10
Plattsville	59.87	33	45	5	2.5	1.66	10
Point Edward	37.05	33	55	3	1.5	0.83	10
Port Arthur	23.98	3*	.....	2**	1	0.83	10
Port Colborne	27.48	33	60	2.5	1.25	0.83	10
Port Credit	31.63	33	60	2.5	1.25	0.83	10
Port Dalhousie	28.17	33	60	2.5	1.25	0.83	10
Port Dover	42.19	33	50	4	2	1.11	10
Port McNichol	29.79	33	50	4	2	1.11	10
Port Perry	53.08	33	45	5	2	1.39	10
Port Rowan	95.47	33	40	6	2	1.66	10
Port Stanley	38.39	33	55	3	1.5	0.83	10
Prescott	35.25	33	60	2	1	0.83	10
Preston	26.07	33	60	2.5	1.5	0.83	10
Priceville	80.93	33	60	8	2	1.67	10
Princeton	54.93	33	45	5	2.5	1.66	10
Queenston	26.09	33	55	3	2	1.38	10
Richmond Hill	38.66	33	55	3.5	1.5	0.83	10
Ridgetown	35.53	33	60	2.5	1.25	0.83	10
Ripley	86.30	3*	.....	7.5**	2	2.22	10
Riverside	30.41	33	55	3.5	1.75	1.11	10
Rockwood	41.99	33	60	2.5	1.25	1.11	10
Rodney	42.24	33	55	3	1.5	0.83	10
Russell	81.67	33	60	8	2	1.94	10
St. Catharines	21.68	33	30	2	1	0.83	10
St. Clair Beach	34.54	33	45	5	2	1.66	10
St. George	42.00	33	60	2	1	0.83	10
St. Jacobs	32.37	33	55	3	1.5	0.83	10
St. Marys	32.49	33	60	2.5	1.5	0.83	10
St. Thomas	26.74	33	60	2	1	0.83	10
Sandwich	29.38	33	55	3	1.5	0.83	10
Sarnia	32.66	33	60	2.5	1.25	0.83	10
Scarboro twp	34.32	33	55	3	1.5	0.83	10

*Service charge per 100 square feet.
**Per kilowatt-hour for first 3 kilowatt-hours per 100 square feet.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 120 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month net	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.5	1.25	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2	1	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	4.5	2	1.38	10	54.00	1.00	6.3	4.2	0.33	.....	.....	10
5	2	1	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	4	2	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	3	1.5	0.83	10	20.00	1.00	1.6	1	0.33¶ 0.22	.....	10	10
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	2.5	1.25	0.83	10	36.00	1.00	3.6	2.4	0.33	.....	.....	10
5	5	2	1.66	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3	1.5	0.83	10	32.00	1.00	3.1	2	0.33	.....	.....	10
.....	‡5 ‡‡2.5	0.5	0.83	10	19.75	1.00	1.75	1.0	0.10	.....	.....	10
5	2.5	1.25	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	26.00	1.00	2.5	1.4	0.33	.....	.....	10
5	2.5	1.25	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	4	2	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4	2	1.11	10	35 00	1.00	3.5	2.3	0.33	.....	.....	10
5	5	2	1.11 to 1.39	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	6	2	1.66	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	3	1.5	0.83	10	43.00	1.00	4.7	3.1	0.33	min. 1.11	.....	10
5	2	1	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.5	1.5	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	8	2	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	5	2.5	1.66	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	3	1.5	1.38	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	3.5	1.25	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
.....	†15 ††7.5	1.5	2.22	10	60.00	1.00	7.2	4.8	0.33	.....	.....	10
5	3.5	1.75	1.11	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	2.5	1.25	1.11	10	42.00	1.00	4.6	3	0.33	.....	.....	10
5	3	1.5	0.83	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	8	2	2.78	10	69.00	1.00	8.5	5.7	0.33	.....	.....	10
.....	‡3.5 ‡‡1.75	0.35	0.83	10	18.00	1.00	1.867	1.267	0.16	.....	25	10
5	5	2	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2	1	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	3	1.5	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.5	1.5	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	3	1.5	0.83	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	2.5	1.25	0.83	10	31.00	1.00	2.9	1.9	0.33	.....	.....	10
5	3	1.5	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10

‡First 30 hours, per kilowatt-hour.
‡‡Next 70 hours, per kilowatt-hour.
¶Next 260 hours use.
†First 50 hours, per kilowatt-hour.
††Next 50 hours, per kilowatt-hour.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1927, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Seaforth	33.26	33	60	2.5	1.5	0.83	10
Shelburne	41.86	33	50	3.5	1.75	1.11	10
Simcoe	32.58	33	60	2	1	0.83	10
Smiths Falls	43.00	33	45	5	2	1.11	10
Springfield	43.16	33	45	5	2	1.11	10
Stamford twp.	20.03	33	60	2.5	1.25	0.83	10
Stayner	42.75	33	55	2.5	1.25	0.83	10
Stouffville	51.22	33	45	5.5	2	1.11	10
Stratford	28.04	33	60	2.5	1.5	0.83	10
Strathroy	31.17	33	60	2.5	1.25	0.83	10
Sunderland	61.93	33	40	6	2	1.39	10
Sutton	60.87	33	40	6	2	1.11	10
Tara	83.65	3*	.....	7**	2	1.67	10
Tavistock	33.35	33	60	2.5	1.25	0.83	10
Tecumseh	33.26	33	50	4	2	1.38	10
Teeswater	56.59	33	60	6	3	1.67	10
Thamesford	38.56	33	50	4	2	1.11	10
Thamesville	37.19	33	55	3	1.5	0.83	10
Thedford	69.57	33	40	6	2	1.38	10
Thorndale	54.87	33	45	5	2	1.38	10
Thornton	74.70	33	60	8	2	1.67	10
Thorold	23.18	33	60	2	1	0.83	10
Tilbury	36.55	33	55	3	1.5	0.83	10
Tillsonburg	33.47	33	60	2	1.2	0.83	10
Toronto	25.72	3*	.....	2**	1	0.83	10
Toronto twp.	31.60	33	50	4	2	1.11	10
Tottenham	94.27	33	30	8	2	1.67	10
Trafalgar twp.	.....	33	55	3.5	2	1.11	10
Uxbridge	55.90	33	50	4	2	1.11	10
Victoria Harbor	35.99	33	55	3	1.5	1.11	10
Walkerville	27.49	33	60	2.5	1.25	0.83	10
Wallaceburg	33.56	33	60	2.5	1.25	0.83	10
Wardsville	65.00	33	40	6	2	1.66	10
Warkworth	58.18	33	50	5	2	1.55	10
Waterdown	28.41	33	60	2.5	1.25	0.83	10
Waterford	34.40	33	60	2	1	0.83	10
Waterloo	26.70	33	60	2	1.25	0.83	10
Watford	50.15	33	50	4	2	1.11	10
Waubaushene	40.82	33	55	3	1.5	1.11	10
Welland	22.15	33	60	2.5	1.25	0.83	10

*Service charge per 100 square feet.
**Per kilowatt-hour for first 3 kilowatt-hours per 100 square feet.
‡First 70 hours per kilowatt-hour, 4 cents; next 70 hours per kilowatt-hour, 2 cents.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 120 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month net	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.5	1.5	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.5	1.75	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	2	1	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	5	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	5	2	1.11	10	60.00	1.00	7.2	4.8	0.33	min. 2.22	.....	10
5	2.5	1.25	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	2.5	1.25	0.83	10	37.00	1.00	3.8	2.5	0.33	.....	.....	10
5	5.5	2	1.11	10	54.00	1.00	6.3	4.2	0.33	.....	.....	10
5	2.5	1.5	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	2.5	1.25	0.83	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	6	2	1.39	10	52.00	1.00	6.0	4.0	0.33	.....	.....	10
5	6	2	1.11	10	53.00	1.00	6.2	4.1	0.33	.....	.....	10
.....	†14	1.4	1.67 to	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
	††7		3.33									
5	2.5	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	4	2	1.38	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	6	3	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4	2	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3	1.5	0.83	10	38.00	1.00	4	2.6	0.33	.....	.....	10
5	6	2	1.38	10	59.00	1.00	7.1	4.7	0.33	.....	.....	10
5	5	2	1.38	10	50.00	1.00	5.7	3.8	0.33	min. 3.33	.....	10
5	8	2	1.67	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	2	1	0.83	10	22.00	1.00	1.9	1.3	0.33‖	.....	25	10
									0.20			
5	3	1.5	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	1.2	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
.....	4 & 2‡	1	0.83	10	.....	A.C.¶	1.5	.75	0.40	.....	.....	10
.....	.....	.....	.....	.....	.....	D.C.§	2.5	1.25	0.60	.....	.....	10
5	4	2	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	8	2	1.67	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
6	3.5	2	1.11	10	36.00	1.00	3.1	2.1	1.2	.....	.....	10
5	4	2	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	3	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.5	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.5	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	6	2	1.66	10	64.00	1.00	7.8	5.2	0.33	.....	.....	10
5	5	2	1.55	10	65.00	1.00	7.9	5.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1	0.83	10	25.00	1.00	2	1.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	20.00	1.00	1.6	1	0.33	.....	10	10
5	4	2	1.11	10	49.00	1.00	5.6	3.7	0.33	min. 2.22	.....	10
5	3	1.5	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10

†First 50 hours, per kilowatt-hour.
††Next 50 hours, per kilowatt-hour.
‖Next 260 hours, per kilowatt-hour.

¶A.C. service, $1.25 per h.p. for first 10 h.p., plus $1.00 per h.p. for additional h.p.
§D.C. service, $1.35 per h.p. for first 10 h.p., plus $1.00 per h.p. for additional h.p.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1927, in Ontario Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Wellesley	42.95	33	50	3.5	1.5	1.11	10
Wellington	52.78	33	50	4	2	1.11	10
West Lorne	37.00	33	55	3	2	0.83	10
Weston	26.37	33	60	2	1.25	0.83	10
Wheatley	42.07	33	45	5	2	1.39	10
Whitby	35.84	37	60	3	1.25	0.94	20
Williamsburg	49.79	33	60	4	2	1.66	10
Winchester	46.33	33	60	3	1.5	0.83	10
Windsor	27.28	33	60	2.5	1.25	0.83	10
Wingham	64.41	33	40	5	2	1.11	10
Woodbridge	37.26	33	60	2.5	1.25	0.83	10
Woodstock	25.31	33	60	2	1.2	0.83	10
Woodville	55.63	33	50	4	2	1.39	10
Wyoming	49.94	33	45	5	2	1.11	10
York twp	.....	33	60	2.6	1.3	0.83	10
York E. twp	34.86	33	55	3	1.5	0.83	10
York N. twp	31.56	33	50	4.5	2	1.11	10
Zurich	52.63	33	50	4	2	1.38	10

"E"—Concluded

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 50 cents	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 120 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month net	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	3.5	1.5	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	4	2	1.11	10	44.00	1.00	4.8	3.2	0.33	.....	.....	10
5	3	2	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2	1.25	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	5	2	1.39	10	50.00	1.00	5.7	3.8	0.33	min. 2.22	.....	10
5.6	3	1.25	0.94	20	25.00	1.00	2	1.3	0.33	.....	.....	10
5	4	2	1.66	10	55.00	1.00	6.4	4.3	0.33	.....	.....	10
5	3	1.5	0.83	10	55.00	1.00	6.4	4.3	0.33	min. 2.00	.....	10
5	2.5	1.25	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	5	2	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.5	1.25	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2	1.2	0.83	10	19.00	1.00	2	1.4	0.33	.....	25	10
5	4	2	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	5	2	1.11	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	2.6	1.3	0.83	10	25.00	1.00	2.0	1.4	0.50	max. 2.50	.....	10
5	3	1.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4.5	2	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	4	2	1.38	10	50.00	1.00	5.7	3.8	0.33	min. 2.77	.....	10

APPENDIX I

ACTS

CHAPTER 18

An Act to amend The Power Commission Act.

Assented to 5th April, 1927.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Power Commission Act, 1927* (No. 2). Short title.

2. The contract between the Hydro-Electric Power Commission of Ontario and the corporation of the town of Newmarket, dated 24th day of April, A.D. 1925, set out in schedule "A" hereto, is hereby confirmed and declared to be legal, valid and binding to all intents and purposes upon the Commission and the corporation and upon the ratepayers of the corporation, anything in any general or special Act of this Legislature to the contrary notwithstanding. Contract confirmed.

3. By-law No. 1217 of the corporation of the town of Whitby; By-laws Nos. 60, 62, 66 and 69 of the corporation of the village of Fonthill; By-law No. 271 of the corporation of the village of Port Rowan; By-law No. 249 of the corporation of the village of Waterdown; By-laws Nos. 13 and 14 of the police village of Cottam; By-law No. 34 of the corporation of the village of Arkona; By-law No. 316 of the corporation of the township of Albion; By-law No. 105 of the corporation of the township of Bentinck; By-law No. 744 of the corporation of the township of Brock; By-law No. 1977 of the corporation of the township of Etobicoke; By-law No. 766 of the corporation of the township of East Flamboro; By-law No. 461 of the corporation of the township of Gainsborough; By-laws Nos. 593 and 598 of the corporation of the township of Gosfield North; By-law No. 500 of the corporation of the township of Goulburn; By-law No. 4 of the corporation of the township of Grey; By-law No. 5 of the corporation of the township of McGillivray; By-law No. 7 of 1926 of the corporation of the township of McKillop; By-law No. 859 of the corporation of the township of Maryborough; By-law By-laws confirmed.

No. 670 of the corporation of the township of Minto; By-law No. 345 of the corporation of the township of North Grimsby; By-law No. 886 of the corporation of the township of North Monaghan; By-law No. 891 of the corporation of the township of Otonabee; By-law No. 1027 of the corporation of the township of Peel; By-law No. 6 of 1926 of the corporation of the township of Plympton; By-law No. 502 of the corporation of the township of Rawdon; By-law No. 133 of the corporation of the township of Roxborough; By-law No. 650 of the corporation of the township of Scugog; By-law No. 835 of the corporation of the township of Smith; By-law No. 467 of the corporation of the township of South Walsingham; By-law No. 614 of the corporation of the township of Tecumseh; By-law No. 525 of the corporation of the township of Wallace; By-law No. 8 of 1926 of the corporation of the township of West Zorra; By-law No. 2 of 1927 of the township of Warwick, and all debentures issued or to be issued or purporting to be issued under any of the said by-laws which authorize the issue of debentures are confirmed and declared to be legal, valid and binding upon such corporations and the ratepayers thereof respectively and shall not be open to question upon any ground whatsoever notwithstanding the requirements of *The Power Commission Act* or the amendments thereto or any other general or special Act of this Legislature.

Commencement of Act.

4. This Act shall come into force on the day upon which it receives the Royal Assent.

SCHEDULE "A."

This indenture made in duplicate the 24th day of April, A.D. 1925.

BETWEEN:

THE CORPORATION OF THE TOWN OF NEWMARKET, hereinafter called the "Corporation," *of the First Part;*

AND

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO, hereinafter called the "Commission," *of the Second Part.*

Whereas by Contract bearing date the 26th day of April, 1915, the Corporation entered into contract with The Toronto & York Radial Railway Company for a supply of electrical power or energy for a period of five (5) years from the 24th day of April, 1915;

And whereas by renewal Agreement bearing date the 1st day of May, 1920, the said Contract was renewed for a further period of five (5) years commencing on the 24th day of April, 1920, in accordance with the terms of the said Contract;

And whereas the said Contract renewed as aforesaid has been assigned and transferred by The Toronto & York Radial Railway Company to the Commission, and the Commission since the said transfer has carried out the obligations thereunder;

And whereas differences have arisen between the Corporation and the Commission among other things as to renewal or extension of the said Contract beyond the 24th day of April, 1925;

And whereas the Corporation and the Commission have settled their differences upon the terms and conditions hereinafter set out;

Now therefore this indenture witnesseth that the parties hereto covenant, promise and agree as follows:

1. The said Contract bearing date the 26th day of April, 1915, is hereby extended for a period of five (5) years commencing from the 24th day of April, A.D. 1925;

2. The Corporation, if it so desires, shall have the privilege of renewing the said Contract for a further period of five (5) years commencing from the 24th day of April, A.D. 1930, provided

the Corporation shall have given to the Commission notice in writing at least three (3) months prior to the said 24th day of April, A.D. 1930;

3. The Corporation, if it so desires, shall have the privilege of renewing the said Contract for a third period of five (5) years commencing from the 24th day of April, A.D. 1935, provided the Corporation shall have given to the Commission notice in writing at least three (3) months prior to the said 24th day of April, A.D. 1935, but in no case shall there be any renewal or extension beyond the said third period provided for in this Clause and the said Contract shall in any event not continue in force beyond the 24th day of April, A.D. 1940;

4. The duration of the said Contract and the rights of extension and of renewal shall be determined by the provisions ofthis Indenture and Clause 9 of the said Contract is hereby cancelled and the provisions of this Indenture relating to duration, renewal and extension substituted therefor;

5. As herein modified the said Contract shall continue in full force and effect for such time as may be fixed under the terms of this present Indenture;

6. The Corporation and the Commission shall join in applying for legislation to ratify, confirm and validate the said Contract as modified by this Indenture, but all charges in connection therewith shall be paid by the Commission.

In witness whereof the parties hereto have caused this Indenture to be executed under their Corporate Seals and the hands of their proper officers duly authorized thereto.

Witness:
A. J. Davis.
H. Doyle.

The Corporation of the Town of Newmarket.
J. E. Nesbitt, *Mayor.*
Norman L. Mathews, *Clerk.*
(Corporate Seal of the Town of Newmarket.)

The Hydro-Electric Power Commission of Ontario
C. A. Magrath, *Chairman.*
W. W. Pope, *Secretary.*
(H.E.P.C. Seal.)

Approved Dec. 23, 1926,
R. T. Jeffery, for Chief Engineer.

Dec. 23, 1926,
I. B. Lucas, General Solicitor.

CHAPTER 19

An Act to provide Aid in the Construction of Works in Rural Power Districts.

Assented to 5th April, 1927.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Rural Hydro-Electric Distribution Act, 1927*, and shall have effect as from the 1st day of November, 1926. Short title.

2. Upon the recommendation of The Hydro-Electric Power Commission of Ontario and the order of the Lieutenant-Governor in Council, the Treasurer of Ontario may pay out of the Consolidated Revenue Fund to any municipality or commission distributing power in a rural power district under the provisions of *The Power Commission Act, 1927*, a sum not exceeding fifty per centum of the capital cost of constructing and erecting in the rural power district, primary transmission lines and cables, service transformers and meters and secondary lines on the highway required for the delivery of power in such rural power district. Grants in aid of distribution works in rural power districts.

Grants in aid of works in townships or urban municipality adjoining township in rural power district.

3. Upon the recommendation of The Hydro-Electric Power Commission of Ontario and the order of the Lieutenant-Governor in Council, the Treasurer of Ontario may pay out of the Consolidated Revenue Fund to the corporation of a township or of an urban municipality supplying or distributing electrical power or energy in an adjoining township or within a rural power district under the provisions of *The Public Utilities Act* or any other general or special Act, a sum not exceeding fifty per centum of the capital cost of constructing or erecting in such adjoining township or rural power district primary transmission lines and cables service transformers and meters and secondary lines on the highway required for the delivery of power or energy in such adjoining township or in such rural power district.

Grants chargeable to capital account.

4. All sums paid to municipal corporations or commissions under the authority of section 2 or section 3 shall be chargeable in the books of the Treasurer of Ontario as expenditure upon capital account.

Repeal.

5. The following Acts and parts of Acts are hereby repealed:

1921, chapter 21 (*The Rural Hydro-Electric Distribution Act, 1921*)—The whole.

1922, chapter 32 (*The Rural Hydro-Electric Distribution Act, 1922*)—Section 2.

1923, chapter 13 (*The Rural Hydro-Electric Distribution Act, 1923*)—The whole.

1924, chapter 25 (*The Rural Hydro-Electric Distribution Act, 1924*)—Sections 2 and 3.

Commencement of Act.

6. This Act shall come into force on the day upon which it receives the Royal Assent.

CHAPTER 20

An Act to confirm an agreement between the Corporation of the Township of Stamford and The Hydro-Electric Power Commission of Ontario.

Assented to 5th April, 1927.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Township of Stamford and Hydro-Electric Power Commission Act, 1927*.

Agreement confirmed.

2. The agreement between the corporation of the township of Stamford and The Hydro-Electric Power Commission of Ontario, set out as schedule "A" hereto, is hereby confirmed and declared to be legal, valid and binding upon the Commission and the corporation and the ratepayers and residents of the township and shall not be

open to question upon any grounds whatsoever, any general or special Act of this Legislature to the contrary notwithstanding.

3. The provisions and terms of the said agreement and the exemption of the Commission as therein set out from assessments, rates and taxes of every kind including those for school purposes and the fixed assessment granted to the Commission in the said agreement shall have full force and effect and the Commission in so far as the said agreement provides shall be relieved from all obligation and liability for or in respect of assessments, rates and taxes for school purposes or otherwise in the township of Stamford, notwithstanding anything to the contrary contained in any general or special Act of this Legislature. Extent of exemption.

4. Save as in the said agreement provided the Commission shall not be under any obligation or liability for or in connection with construction or cost of any bridge on the Chippawa Creek Road over the Commission's Queenston-Chippawa Power Canal in lots 211 and 212 in the township of Stamford and except as may arise out of or in connection with the said agreement the Commission shall not be liable in any way to the corporation or to any other corporation or to any person whomsoever whether in damage or otherwise and no action shall be brought against the Commission on account of the non-construction of any such bridge or of the existence of the said power canal at the said location or on account of failure to maintain or keep in repair any such bridge or on any other ground whatsoever. Saving as to liability of Commission for bridge in Chippawa Creek Road.

5. This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

SCHEDULE "A."

This Agreement made in duplicate this 15th day of December, 1926.

BETWEEN:

THE CORPORATION OF THE TOWNSHIP OF STAMFORD, hereinafter called the "Corporation," *of the First Part;*

AND

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO, hereinafter called the "Commission," *of the Second Part.*

Whereas certain portions of the works, properties, and undertakings of the Commission (hereinafter referred to as the "said properties") are situate within the territorial limits of the Township of Stamford.

And whereas the said Commission is not liable to municipal assessment or taxation other than and except as provided for by Section 12*a* of "*The Power Commission Act*" as enacted by "*The Power Commission Act, 1917*," which said Section enacts as follows:

12*a*.—(1) Notwithstanding anything in *The Assessment Act* contained, land owned by and vested in the Commission shall be subject to assessment and taxation for municipal and school purposes at the actual value thereof according to the average value of the land in the locality.

(2) Subsection 1 shall not apply to or include buildings, machinery, works, structures, substructures, superstructures, rails, ties, poles and other property, works or improvements owned, used or controlled by the Commission, nor an easement or the right of use or occupation or other interest in land not owned by the Commission, but all such buildings, machinery, works, structures, substructures, superstructures, rails, ties, poles and other property, works or improvements owned, used or controlled by the Commission, and every such easement or right, shall continue to be exempt from assessment and taxation as heretofore.

And whereas certain portions of the said properties situate within the limits of said Corporation were prior to the acquisition thereof by the Commission subject to the provisions of certain agreements in that behalf, and the said Corporation had made expenditures and incurred liabilities relying upon the taxes to be derived from said properties.

And whereas the said Corporation has requested the Commission to construct a bridge on the Chippawa Creek Road over the Commission's Queenston-Chippawa Power Canal in Lots 211 and 212.

And whereas in view of the circumstances above recited and in consideration of the agreements and undertakings hereinafter contained on the part of the Corporation, the Commission has agreed to pay to the Corporation the sum of $80,000 in each and every year beginning with and including the year 1925 and ending with and including the year 1931, such payments to be in satisfaction, among other things, of all claims and demands which the Corporation may or could have against the Commission for taxes under the provisions of "*The Power Commission Act*" above recited or otherwise howsoever during said period.

Now therefore this agreement witnesseth that the parties hereto do hereby mutually promise, covenant and agree to and with each other as follows:

1. Subject to the provisions hereinafter set forth the Commission shall pay to the Corporation annually the sum of $80,000 in each of the years during the period commencing on the first day of January, 1925, and ending on the thirty-first day of December, 1931, and there shall be deducted from the payment for the year 1925 the sum of $22,325.33, being the amount already paid to the Corporation as taxes for 1925, and the balance of the $80,000 together with the payment for 1926 shall be payable upon the execution of this agreement; and thereafter the said payments shall be payable on the tenth day of December in each year, the first of such payments to be made on the tenth day of December, 1927, and the last on the tenth day of December, 1931.

2. The Commission shall pay the said sum for each of the said years at the same time as taxes on lands in said Corporation become due and payable under the provisions of the enactments and regulations from time to time in force in that behalf.

3. The said annual payments shall be accepted by the Corporation in lieu and in satisfaction of all assessments, rates and taxes of every nature and kind whatsoever payable by or leviable against the Commission, including without restricting or in any way limiting the generality of the foregoing assessment and taxation for school purposes, business, income and all other general and special municipal school and local improvement taxes of every character, nature and kind whatsoever for said years 1925 to 1931 inclusive.

4. It is distinctly understood and agreed that said payments shall constitute a full and complete satisfaction and discharge of all taxes and levies of every character and kind whatsoever payable to the said Corporation by the said Commission under the provisions of the above recited Act or under and by virtue of any other law, statute or regulation whatsoever and the said Corporation shall not during said period assess or levy any rates or taxes of any kind or character whatsoever against the said Commission or any of its said properties, and the Commission and its said properties shall be wholly exempt from all assessments, rates, taxes and levies other than and except the payment of said sum of $80,000 in each year payable at the times and in the manner hereinbefore provided for.

5. If at any time during the said period any of said properties be included in an area or areas which shall be annexed to or included or incorporated in any other Municipal Corporation, then and in such case the said annual sum of $80,000 payable by the Commission as aforesaid shall, from the date of such annexation, inclusion or incorporation, be reduced by the amount which the Commission shall be called upon to pay to such other Municipal Corporation in respect of such properties under the provisions of the above recited Act.

6. If at any time during said period the Commission should by sale or otherwise cease to be the owner of any portion or portions of said properties, then and in such case, the said sum of $80,000 payable by the Commission as aforesaid, shall from the time said Commission sells or otherwise becomes divested of the ownership of such portion or portions of said properties, be reduced by the amount that would then be properly payable by and leviable against the Commission under the provisions of the above recited Act in respect of the property no longer owned by it if this agreement had never been entered into.

7. Should any dispute arise between the parties with reference to the reductions or rebates to which the Commission may be entitled under the provisions of the fifth and sixth paragraphs hereof the same shall be settled and determined in a summary manner by The Ontario Railway and Municipal Board (hereinafter called the "Board") on the application of either party.

8. In determining any such dispute the said Board shall proceed in any manner that to it may seem proper and the decision of such Board shall be final and binding upon the parties hereto and neither party shall appeal therefrom or move to quash or set aside the same.

9. For the purpose of facilitating the settlement and determination of any reductions or rebates to which the Commission may become entitled under the provisions of paragraphs five and six hereof, the assessment of the Commission's properties as finally fixed and determined for the year 1925 shall stand until the expiration of said seven-year period, but the Corporation shall not levy or collect any rates or taxes under or in respect of such assessment.

10. After the expiration of said seven-year period, the Board, on the application of either of the parties hereto, may by its order dispense with the construction of the bridge over the Power Canal in Lots 211 and 212 above mentioned or direct the construction of the same by the Commission as to the Board may seem just, proper and equitable under the circumstances. No order for the construction of said bridge shall be made unless it is established to the satisfaction of the Board that a bridge is necessary in the public interest at said point, having regard to all the conditions then existing and the expense involved. Any order for the construction of such bridge shall set forth the character thereof and the time within which the same shall be completed.

11. Unless and until an Order has been made under the provisions of the preceding paragraph hereof directing the construction of said bridge, the Commission shall not be under any obligation or liability to construct the same, and shall not be liable or responsible in any way in damages or otherwise either to the Corporation or to any other person by reason of the non-construction thereof, or by reason or on account of the existence of said power canal at the point mentioned in the preceding paragraph hereof.

12. The parties hereto shall abide by any order the said Board may make under the provisions of paragraph ten hereof and neither party shall appeal therefrom or move to quash or set aside the same.

13. This agreement shall have no force or effect unless and until ratified by an act of the Legislative Assembly of the Province of Ontario, and when so ratified shall be effective and binding on the parties as from the first day of January, 1925.

In witness whereof the parties hereto have caused this agreement to be executed under their corporate seals and the hands of their proper and duly authorized officers the day and year first above written.

WITNESS:

TOWNSHIP OF STAMFORD.

(Signed) C. F. MONROE,
Reeve.

L.S.

(Signed) DAVE ALAIR,
Clerk.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

L.S.

(Signed) C. A. MAGRATH,
Chairman.

(Signed) W. W. POPE,
Secretary.

CHAPTER 21

An Act to provide for Authorizing Pensions and Insurance for Employees of Municipal Hydro-Electric Systems.

Assented to 5th April, 1927.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Power Commission Insurance Act, 1927.*

Interpretation.

2. In this Act,—

"Commission."

(*a*) "Commission" shall mean Hydro-Electric Power Commission of Ontario;

"Insurance corporation."

(*b*) "Insurance corporation" shall mean a corporation licensed to transact the business of insurance and enter into contracts for insurance in the Province of Ontario under *The Ontario Insurance Act, 1924;*

"Municipal authority."

(*c*) "Municipal authority" shall mean and include a municipal corporation or commission distributing electrical power or energy in a municipality.

Agreement between commission and municipal authority.

3.—(1) The Commission may enter into an agreement with any municipal authority or group of municipal authorities authorizing the Commission to contract with an insurance corporation for insurance for the employees of such municipal authority or municipal authorities by way of service annuities, income annuities or death or disability benefits or such other benefits as may by the Commission be deemed expedient and for payment by the municipal authority or authorities of the cost of such insurance and the cost of or incidental to the administration and operation of the contract, and any other expenses incurred or for which the Commission may be liable in connection therewith.

Agreement with insurance corporation.

(2) The Commission on behalf of any such municipal authority or group may, with the approval of the Lieutenant-Governor in Council, enter into an agreement with an insurance corporation for providing insurance for the employees of such municipal authority or group by way of service annuities, income annuities or death or disability benefits, or such other benefits as may by the Commission be deemed expedient, and for the enforcement of any such contract and for the administration of its operation by the Commission or by any other person or corporation on behalf of such municipal authority or group.

Cost of insurance,—how borne.

4.—(1) The cost of insurance and the cost of and incidental to the administration and operation of the contract and any other expenses incurred or for which the Commission may be liable in connection therewith shall be payable by each of the municipal authorities on

whose behalf the contract is undertaken as part of the cost of operation of the works of the municipal authority and shall be apportioned and distributed by the Commission among the municipal authorities in any such group in such manner as the Commission may deem equitable.

(2) The Commission, with the approval of the Lieutenant-Governor in Council, may make regulations prescribing the terms and conditions for the required payments under subsection 1, and the time and manner in which such payments shall be made and the returns and accounts to be furnished by any municipal authority and the contributions to be made by the employees of any municipal authority party to the agreement. Regulations.

5. This Act shall come into force on a day to be named by the Lieutenant-Governor by his Proclamation. Commencement of Act.

CHAPTER 57

An Act to amend The Hydro-Electric Railway Act, 1914.

Assented to 5th April, 1927.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Hydro-Electric Railway Act, 1927*. Short title.

2. Subsection 7 of section 3 of *The Hydro-Electric Railway Act, 1925*, is amended by striking out the words "sections 7 and 8" at the commencement of the said subsection and inserting in lieu thereof the words "Section 7". 1925, c. 57, s. 3, subs. 7, amended.

3. By-laws Nos. 153 and 158 of the town of Tecumseh; By-laws Nos. 201 and 208H of the town of Riverside; By-laws Nos. 714 and 717 of the town of Ford City; By-laws Nos. 1126 and 1153 of the town of Walkerville; By-laws Nos. 1480 and 1481 of the town of Sandwich; By-law No. 441B of the town of Amherstburg; By-law No. 641 of the township of Sandwich West; and By-laws Nos. 3555 and 3572 of the city of Windsor, and all debentures issued or to be issued or purporting to be issued under any of the said by-laws which authorize the issue of debentures are confirmed and declared to be legal, valid and binding upon such corporations and the ratepayers thereof, respectively, and shall not be open to question upon any ground whatsoever notwithstanding the requirements of *The Hydro-Electric Railway Act, 1914*, and amendments thereto, or *The Consolidated Municipal Act, 1922*, or any other general or special Act of this Legislature. By-laws confirmed.

4. This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

CHAPTER 58

An Act respecting The Toronto Radial Railways.

Assented to 5th April, 1927.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Toronto Radial Railway Act, 1927.*

Interpretation.

2. In this Act,—

"Commission."

(*a*) "Commission" shall mean The Hydro-Electric Power Commission of Ontario;

"Corporation."

(*b*) "Corporation" shall mean the Corporation of the City of Toronto.

Agreement for transfer of railways to corporation, confirmed.

3. The agreement between the Commission and the Corporation set out in schedule one hereto is hereby validated and confirmed and declared to be legal, valid and binding to all intents and purposes and to have been authorized by *The Toronto Radial Railways Act, 1926*, and the parties thereto are hereby authorized to carry the same into effect.

Property vested in corporation subject to bonds.

4. The property set forth in the schedule to the said agreement is hereby, and shall be deemed to have been from the 11th day of January, A.D. 1927, vested in the Corporation free from all claims, liens, charges and encumbrances save for the bonds to the amount of $2,375,000 hereinafter mentioned and as in the said agreement is otherwise provided.

By-law No. 11080 of City of Toronto, confirmed.

5. By-law No. 11080 passed by the Council of the said Corporation and intituled "A By-law to provide for the issue of City of Toronto General Consolidated Loan Debentures to the amount of $1,112,000 to raise $1,070,049.41 to be paid to The Hydro-Electric Power Commission of Ontario for the transfer of the Toronto Radial Railways" and all debentures issued or to be issued or purporting to be issued under the provisions of the said by-law are hereby confirmed and declared to be legal, valid and binding upon the said Corporation and ratepayers thereof and shall not be open to question upon any ground whatsoever.

City debentures to be held as collateral for bonds on railways.

6.—(1) The debentures to the amount of $2,375,000 issued by the Corporation and deposited with the Commission under the provisions of *The Toronto Radial Railway Act, 1921*, and the agreements thereby authorized shall hereafter be held by the Commission as collateral security for the bonds to the same amount issued by the Commission under the authority of the said Act and for any payments required to be made to the Commission by the Corporation under section 7 of the agreement set out as schedule one hereto.

(2) In the event of default by the Corporation in making any of the payments required to be made under the provisions of section 7 of the said agreement the Commission shall have the right upon two weeks' notice to the Corporation to sell or otherwise dispose of so much of the said debentures as shall be necessary to provide the Commission with the amount of the payment in default and shall use the proceeds of any such sale or disposition of such debentures for the purpose only for which said payment may be required and the Corporation shall thereupon upon demand by the Commission issue and deposit with the Commission similar debentures to an amount sufficient to make up the deficiency and the Corporation is hereby authorized without the assent of the electors to pass by-laws for the issue of such debentures required to make up such deficiency.

Sale of city debentures on default of payment of bonds.

(3) The Commission shall not be required to provide a sinking fund for the payment of the said bonds issued by the Commission to the amount of $2,375,000 as mentioned in subsection 4 of section 9 of *The Toronto Radial Act, 1921*, but the said bonds shall remain a charge upon the railways as provided by the said Act.

Sinking fund not required.

7. The Corporation is hereby authorized to cancel all debentures issued by it and deposited with the Commission as collateral security for bonds issued by the Commission to cover the capital cost of extensions or improvements or additional works or equipment as provided in subsection 3 of section 9 of *The Toronto Radial Railway Act, 1921*, and to repeal all by-laws passed to provide for the issue of such debentures.

Cancelling issues of debentures to cover capital expenditure on improvements.

8. When the Commission's bonds amounting to $2,375,000 are paid off and cancelled the Commission shall return to the Corporation all debentures of the Corporation issued and deposited with the Commission as collateral security for the said bonds and the Corporation may thereupon cancel the said debentures and repeal the by-laws passed to provide for the issue of same.

Cancellation of collateral debentures on payment of bonds.

9. The agreement between the said Corporation and the Toronto Transportation Commission set out in schedule two hereto is hereby confirmed and declared to be valid and effective in all respects as between the parties thereto.

Agreement between city and T.T.C., confirmed.

10. The agreements made between the Commission and the Corporation under the authority of *The Toronto Radial Railway Act, 1921*, are hereby terminated and neither the Commission nor the Corporation shall have any rights or obligations under the said agreements or any of them save as provided in the agreement set out in schedule one to this Act.

Cancellation of existing agreements with Commission.

11. The control, equipment and operation of the railways which by clause 6 of *The Toronto Radial Railway Act, 1921*, were vested in the Commission shall cease to be an obligation of the Commission as from the 11th day of January, A.D. 1927.

Relief of Commission from obligation to operate.

12. A copy of this Act shall be deposited, copied and registered in the general register of every registry office in which is registered or

Registration of Act.

recorded the title to any land or interest in land which by this Act is vested in the Corporation, and every registrar of deeds shall, upon the request of the Corporation, enter in the abstract index of each parcel or tract of land which or in which an interest is vested in the Corporation as aforesaid, a note, entry or memorandum showing that the same was vested in the Corporation on the 11th day of January, A.D. 1927, and referring to the registration number in the general register where the said Act has been registered as aforesaid.

SCHEDULE ONE.

This Agreement made the Sixth day of January, 1927.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO (hereinafter called "The Commission"),

of the first part,

AND

THE CORPORATION OF THE CITY OF TORONTO (hereinafter called "The Corporation"),

of the second part.

Whereas by *The Toronto Radial Railway Act, 1921*, the Commission was authorized to purchase the shares, securities and/or property and rights of The Toronto Power Company, Limited (formerly called the Toronto and Mimico Railway Company), the Toronto and York Radial Railway Company, the Schomberg and Aurora Railway Company, the Toronto and Scarboro Electric Railway Light and Power Company and the Metropolitan Railway Company;

And whereas by the said Act it was further provided that upon the completion of the said purchase the properties described and set out in schedules to the agreements in Schedule "A" to the said Act, as

(*a*) The Metropolitan Division, including for the purposes thereof, the Schomberg and Aurora Railway;

(*b*) The Mimico Division; and

(*c*) The Scarboro Division;

should be vested in the Commission on behalf of the Corporation free from encumbrances, charges and liabilities, subject only to the agreements to be made between the Commission and the Corporation under the authority of the said Act;

And whereas by the said Act the Commission and the Corporation were authorized to enter into certain agreements, as of 1st December, 1920, in the form set out in Schedule "A" to the said Act, or with such variations as might be approved by the Lieutenant-Governor-in-Council, in respect *inter alia* to the control, equipment and operation by the Commission on behalf of the Corporation of the properties acquired by and vested in the Commission on behalf of the Corporation under the provisions of the said Act;

And whereas pursuant to the provisions of the said Act the Commission and the Corporation entered into three agreements, in the forms set out in Schedule "A" of the said Act, relating respectively to the said Metropolitan Division, the said Mimico Division and the said Scarboro Division, and the said properties have since been vested in and controlled, equipped and operated by the Commission on behalf of the Corporation under the provisions of the said agreements and of the said Act;

And whereas pursuant to the said Act and agreements the Commission issued bonds to the amount of $2,375,000.00 representing the purchase price of the said properties, which bonds mature on 1st December, 1940, and are charged on the said properties as follows, namely, $1,875,000.00 on the Metropolitan Division, $260,000.00 on the Mimico Division, and $240,000.00 on the Scarboro Division;

And whereas the Commission with the consent of the Corporation has issued other bonds, charged on the said properties, to an amount of approximately $1,200,000.00 representing the capital cost of extensions, improvements and additional works or equipment for the said railways, which bonds are now held by the Commission;

And whereas by *The Toronto Radial Railways Act, 1926*, the Commission and the Corporation are authorized to enter into an agreement, with the approval of the Lieutenant-Governor-in-Council to provide for the transfer of the said railways and properties from the Commission to the Corporation upon a date to be agreed upon;

And whereas the amount expended by the Commission up to the thirty-first day of October, 1926, for the said capital cost of extensions, improvements and additional works or equipment for the railways together with the amount unpaid by the Corporation of deficits from the operation of the railways up to the said date has been determined and agreed upon as $1,088,760.14;

Now therefore this Agreement witnesseth that the parties hereto have agreed as follows:

1. Upon payment by the Corporation to the Commission of the said sum of One Million Eighty-eight Thousand Seven Hundred and Sixty 14/100 dollars ($1,088,760.14) and interest thereon at the rate of 6 per cent. per annum from the said 31st day of October, 1926, up to the time of payment thereof, the Commission will transfer to the Corporation the operation and control of, and all right, title and interest vested in the Commission by *The Toronto Radial Railway Act, 1921*, in the property described in the Schedule hereto (which property is hereinafter referred to as "the railways") comprising:

(*a*) The Metropolitan Division, including the Schomberg and Aurora Railway;

(*b*) The Mimico Division; and

(*c*) The Scarboro Division;

at midnight on the fifth day after the day on which the Order-in-Council approving this agreement is issued, which time is hereinafter referred to as the "time of transfer."

2. The Commission will acount to the Corporation for all revenues received from the Rail, ways and for all outlay on behalf of the Railways subsequent to the 31st day of October, 1926- and up to the time of transfer, and will pay to the Corporation the amount, if any, by which the revenue exceeds the outlay; together with interest at the said rate on each month's excess from the end of that month up to the time of payment aforesaid; if the outlay exceeds the revenue the Corporation will pay the excess to the Commission; together with interest at the said rate on each month's excess from the end of that month up to the time of payment aforesaid; in either case the amount shall be paid forthwith upon ascertainment thereof. In case of dispute the amount shall be ascertained and determined by Mr. G. T. Clarkson, whose decision shall be final.

3. Upon such transfer being made the agreements made between the Commission and the Corporation under the authority of *The Toronto Radial Railway Act, 1921*, shall be terminated and neither of the parties hereto shall have any rights or obligations under said agreements or any of them save as otherwise provided herein.

4. The Commission will at the time of transfer:

(*a*) Procure the cancellation of the Commission's bonds aggregating approximately $1,200,000.00 issued in respect to extensions, improvements, additional works or equipment for the railways and the discharge of the railways from liability in respect to said bonds;

(*b*) Return to the Corporation all debentures issued by the Corporation and deposited with the Commission except the original issue of $2,375,000.00 deposited with the Commission as collateral security for the bonds to the same amount issued by the Commission in respect to the purchase price of the railways.

5. From and after the time of transfer the Corporation shall be entitled to and will receive and collect all accounts receivable and will pay and discharge all debts, claims and liabilities of the Railways whether arising before or after the time of transfer and will assume and perform all agreements and obligations of the Commission in respect of the railways, and will indemnify and save harmless the Commission from all such and from all actions, claims, loss, costs, charges, damages and expenses in connection therewith.

6. At or after the time of ascertainment and payment of the amount mentioned in Clause 2 above, the Commission will, if so requested by the Corporation, execute and deliver or cause to be executed and delivered to the Corporation such deeds, conveyances, transfers, bills of sale, assignments or mortgages and other documents as may be necessary to vest in the Corporation subject to the said bonds to the amount of $2,375,000.00, all the interest of the Commission in the railways and/or property and rights pertaining thereto.

And the Commission covenants with the Corporation that it will execute such further assurances of the said properties as may be requisite; and the Commission covenants with the Corporation that it has done no act to encumber the said properties save as aforesaid in respect of the said bonds to the amount of $2,375,000.00 and save as set out in the said schedule hereto; and the Commission releases to the Corporation all its claims upon the railways. The covenants and release in this paragraph shall bear the same meaning as if contained in a deed of land expressed to be made in pursuance of *The Short Forms of Conveyances Act*, or a meaning analogous thereto.

7. After the time of transfer the Corporation will from time to time pay to the Commission the amounts required by the Commission to make the payments of interest and principal on the said bonds aggregating $2,375,000.00 issued by the Commission as such payments respectively fall due, and will indemnify and save harmless the Commission from loss in respect to the said interest and principal.

8. The Commission will hold the debentures of the Corporation to the amount of $2,375,000.00 as collateral security for the payment by the Corporation of the amounts referred to in the next preceding paragraph, and in case of default of the Corporation in making any of said payments the Commission shall have the right upon two weeks' notice to the Corporation to sell or otherwise dispose of so much of the said debentures as shall be necessary to provide the Commission with the amount of the payment in default, and shall use the proceeds of any such sale or disposition of said debentures for the purpose only for which such payment may be required, and the Corporation will thereupon upon demand by the Commission issue and deposit with the Commission similar debentures to an amount sufficient to make up the deficiency.

9. Upon the Commission's said bonds aggregating $2,375,000.00 being paid off and cancelled, the Commission will return to the Corporation forthwith the Corporation's said debentures to the amount of $2,375,000.00 so deposited with the Commission, and the railways shall thereupon be discharged from all liability in respect to any of said bonds or debentures.

10. After the time of transfer the Commission will continue to supply electrical power or energy required for the operation of the railways as long as such supply is required by the Corporation at rates consistent with those charged to municipal corporations, that is, at rates based on cost which shall be approximately equivalent to rates chargeable by the Commission for similar services under contracts under *The Power Commission Act* to other municipal corporations in the area served by the Railways; provided that, if at any time the supply of electrical power or energy required from any point of delivery for the operation of any division of the railways is materially less than that now required from such point of delivery for such division the Corporation shall indemnify the Commission against loss in respect of the capital cost of the works for furnishing electrical power or energy between the Commission's high voltage stations and such point of delivery, to the extent that such capital cost would have been carried in the charges for electrical power or energy if the supply from such point of delivery had remained the same as that now required. In case of disagreement as to the right to or amount of such indemnity the same shall be determined by arbitration.

11. Where the Commission has combined the property and works used for railway purposes with those used for other purposes such as transmission, transformation and distribution of power either by the Commission or by a municipal corporation or commission, and without limiting the generality of the foregoing including poles on Yonge Street and right-of-way to Sutton and Schomberg and substations, such joint use shall continue subject to the provisions of this agreement until the parties otherwise agree; and the Corporation and the Commission will, where feasible and economical, co-operate in the use of the property and works of the railways and of those of the Commission in the immediate vicinity of the railways. In the case of properties so jointly used rentals and charges including operating charges, consistent with those charged to or by the Commission for similar services elsewhere shall be paid by the party enjoying the use to the party whose property or works are used; provided that after one year from the date hereof a readjustment may if required by either party be made from time to time as to the basis of rentals and charges and also as to the conditions, the location and or the extent of joint use and as to whether the joint use or any part of such property or works shall be discontinued and if so as to the terms of such discontinuance; provided further that in the event of either party desiring to dispose of any part of the property affected by the said joint use the other party shall be entitled to buy so much thereof as may be necessary for its use at a price to be agreed upon. In case of disagreement in respect to any matters covered by or arising out of this paragraph the questions in dispute shall be determined by arbitration.

12. At the time of transfer the Commission will:

(*a*) Hand over to the Corporation all books, records, agreements, statements of account, inventories, plans, drawings, specifications and other documents in the possession or control of the Commission, relating exclusively to the business of the railways or the Commission's operation of same;

(*b*) Allow the proper representatives of the Corporation from time to time to have access to all other such documents in the possession of the Commission which relate partly to the business of the railways and partly to other business of the Commission;

(*c*) So far as reasonably possible, furnish to the Corporation upon the request of and at the expense of the Corporation all information in possession and control of the Commission respecting the railways or their operation.

13. The Commission will not, and at the request of the Corporation the Commission will procure the Railway Companies mentioned in the first recital to this agreement respectively to covenant that they will not, at any time hereafter, exercise, rely on, or use any Statutory or other rights or powers of any of the said Companies for operating any Railway in competition with any Railway operated by the Corporation or the Toronto Transportation Commission; nothing in this Clause or in any covenant given by any of the said Companies hereunder shall affect any rights after default of the holders or of any Trustees for the holders of any Bonds issued by the Commission outstanding after the time of transfer.

14. Wherever in this agreement provision is made for the determination of any matter by arbitration such matter shall be submitted to and determined by a single arbitrator to be agreed upon by the parties and failing such agreement to be chosen by the Senior Judge of the County of York, and from the finding or award of such arbitrator there shall be no appeal.

15. The parties hereto will endeavour to procure the passing of legislation at the next session of the Legislature of the Province of Ontario to vest the railways in the Corporation, to validate the holding of the Corporation's debentures by the Commission as collateral security for the payment of outstanding bonds of the Commission charged on the railway as hereinbefore provided, and to validate this agreement in respect to other matters as may be necessary.

16. This agreement shall be binding upon and enure to the benefit of the parties hereto and their successors and assigns.

In witness whereof the parties hereto have hereunto set their Corporate Seals by the hands of their proper officers in that behalf.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,

Signed, sealed and delivered, in the presence of

C. A. MAGRATH, *Chairman.*

W. W. POPE, *Secretary.*

(Corporate Seal of Commission.)

THE CORPORATION OF THE CITY OF TORONTO,

THOMAS FOSTER, *Mayor.*

GEO. H. ROSS, *Treasurer.*

(Corporate Seal of City.)

SCHEDULE.

METROPOLITAN DIVISION.

The Metropolitan Division, for the purpose of this agreement, shall consist of all the right-of-way, other lands and real estate, roadbed, bridges, trestles, culverts, fences, signs, track, track tools, poles and fixtures, railway direct current power distribution system, shops, car-houses, offices, stations, miscellaneous buildings, ballast pits, park and resort property, passenger cars, freight cars, service cars, locomotives, shop equipment, furniture, trucks, automobiles, vehicles, stores and substation buildings with their Railway equipment all operated as the Metropolitan Division, the whole constituting a single track electrical radial railway with sidings, spurs and all necessary appurtenances extending from the northerly limits of the City of Toronto on Yonge Street to the Village of Sutton, Ontario, a distance of 48.66 miles, with a branch from Schomberg and Aurora Junction to Schomberg, a distance of 14.41 miles; and including certain real estate within the City of Toronto and certain parcels of real estate outside of the said City, all as set out more particularly in the following schedule:

METROPOLITAN DIVISION OF TORONTO AND YORK RADIAL RAILWAY.

REAL ESTATE IN NORTH TORONTO.

Lot 6, north side Birch Avenue, Toronto, 50 feet by 138 feet.
Part Lot 5, north side Birch Avenue, Toronto, 25 feet by 138 feet.
Part Lot 5, north side Birch Avenue, Toronto, 25 feet by 138 feet.
Part Lot 4, north side Birch Avenue, Toronto, 16 feet 8 inches by 138 feet.
Part Lot 4, north side Birch Avenue, Toronto, 16 feet 8 inches by 138 feet.
Part Lot 4, north side Birch Avenue, Toronto, 16 feet 8 inches by 25 feet. Only easement for a right-of-way over rear part.
Part Lot 1, north side Birch Avenue, Toronto, 30 feet by 70 feet.
Part Lot 2, west side Yonge Street, Toronto, 22 feet 5 inches by 100 feet.
Part Lot 2, west side Yonge Street, Toronto, 30 feet by 68 feet.
Part Lot 3, west side Yonge Street, Toronto, 10 feet by 138 feet.
Part Lots 7 and 8, south side Alcorn Avenue, Toronto, 28 feet 5 inches by 80 feet.
Part Lots 6 and 7, south side Alcorn Avenue, Toronto, 20 feet 6 inches by 80 feet.
Part Lot 6, south side Alcorn Avenue, Toronto, 20 feet 7 inches by 80 feet.
Part Lots 5 and 6, lane, south side Alcorn Avenue, Toronto, 10 feet by 80 feet.
Part Lot 5, south side Alcorn Avenue, Toronto, 14 feet 8 inches by 78 feet 9 inches.
Part Lot 5, south side Alcorn Avenue, Toronto, 15 feet 4 inches by 78 feet 9 inches.
Part Lots 5 and 4, south side Alcorn Avenue, Toronto, 26 feet 11 inches by 78 feet 9 inches.
Part Lot 4, south side Alcorn Avenue, Toronto, 18 feet by 78 feet 9 inches.
Part Lots 2 and 3, south side Alcorn Avenue, Toronto, 50 feet by 52 feet 6 inches.
Part Lot 67 and Lots 68 and 69, north side Alcorn Avenue, Toronto, 75 feet by 78 feet 9 inches.
Lot 70, north side Alcorn Avenue, Toronto, 31 feet by 78 feet 9 inches.
Lot C and part Lot B, north side Alcorn Avenue, Toronto, 45 feet by 78 feet 9 inches.
Part Lot 1, north side Alcorn Avenue, Toronto, 49 feet 10 inches by 60 feet.

Part Lots 2 and 3, south side Walker Avenue, Toronto, 23 feet 10 inches by 87 feet 4 inches.
Part Lots 2 and 3, south side Walker Avenue, Toronto, 36 feet by 87 feet 4 inches.
Lot C, south side Woodlawn Avenue, Toronto, 19 feet 5 inches by 150 feet.
Lot B, south side Woodlawn Avenue, Toronto, 19 feet 6 inches by 150 feet.
Lot A, south side Woodlawn Avenue, Toronto, 20 feet 4 inches by 150 feet.
Part Lot 22, north side Woodlawn Avenue, Toronto, 28 feet by 178 feet 7 inches.
Part Lot 22, north side Woodlawn Avenue, Toronto, 39 feet 3 inches by 178 feet 7 inches.
Part Lot 20 and Lot 21, west side Yonge Street, Toronto, 40 feet by 100 feet.
Part Lot 24 and lane, south side of Farnham Avenue, Toronto, 23 feet by 167 feet.
Lots 25, 26, 27, 28 and 29, west side Yonge Street, Toronto, 167 feet 10 inches by 131 feet.

Buildings in North Toronto.

18 Birch Avenue, semi-detached dwelling, two-storey red brick 17 feet by 24 feet, with annex, 26 feet by 13 feet.
16 Birch Avenue, semi-detached dwelling, two-storey red brick, 17 feet by 24 feet, with annex, 26 feet by 13 feet.
1212 Yonge Street, detached store, two-storey rough-cast and brick veneer, 20 feet 6 inches by 38 feet.
1306 Yonge Street, detached dwelling, two-storey red brick, 27 by 31 feet 6 inches, occupied.
1312 Yonge Street, detached dwelling, two-storey white brick, 25 feet 6 inches by 43 feet 5 inches.

Roadway.

Extending from Toronto north city limits on Yonge Street to a point distant approximately 21.15 miles near Mulock's Corners including bridges, trestles and culverts, track-work with all turnouts and sidings, poles and fixtures, railway direct current power distribution system with feeders and telephone system, and signs.

Roadway on private right-of-way extending from Mulock's Corners to Sutton, a distance of 27.51 miles, including bridges, trestles and culverts, track-work with all turnouts and siding poles and fixtures, railway direct current power distribution system with feeders and telephone system, fences and signs.

The foregoing items do not include conductors transmitting alternating current nor poles, cross-arms, pins, insulators, conductors, lighting equipment, transformers, switches, meters and other accessories used exclusively for the transmission, distribution or use of alternating current power whether owned by the Commission or by a municipality and also do not include the poles on Yonge Street, between the north limit of the City of Toronto and York Mills Substation carrying 13 Kilovolt circuits, but do include a single-phase 2100-V. circuit on these poles from York Mills Substation to the North Toronto Terminal.

Roadway Machinery and Tools.

Roadway machinery and tool equipment in possession of maintenance-of-way forces on way and structures.

Right-of-Way	Acres
At Grand Trunk overhead crossings	6.80
Aurora	0.59
Yonge Street, to Newmarket	14.181
Through Newmarket	5.394
Newmarket to Jackson's Point	206.364
Jackson's Point to Sutton	11.201
Gravel pit right-of-way to Oak Ridges	6.32
Interchange C.N.O. Rly., Richmond Hill	5.32

Other Lands.

Mount Pleasant Car Barns, Yonge Street, 150 feet by 168 feet 10 inches and 149 feet 10 inches.
Terminal North Toronto.
Part Lot 8, Concession 1, east of Yonge Street, Township North York.
Lots 2, 3 and 4, Registered Plan 1578, City of Toronto.
Lots 8, 9 and 10, Registered Plan 1578, City of Toronto.
Part Lot 4, Registered Plan 1488, City of Toronto.
Part of Doncliffe Drive, as shown on Plan registered in the Registry Office for the Registry Division of the County of York as No. 1488, Township of North York.
Part Lot 3, Plan D14, Chestnut Street, Toronto, north 20 feet.
Substation property, York Mills, 150 feet by 147 feet.
Station property, Richmond Hill, 58 feet by 137 feet.
Bond Lake property, Blocks B, C and D, 160.4 acres.
Station property, Aurora, 70 feet by (198 and 275 feet).
Gravel Pit, Oak Ridges, 34.24 acres.
Substation property, Sedore, part Lot 11, Lake Concession, Township of North Gwillimbury, one-half acre.

MORTGAGES ON LANDS.

Name	Amount of Mortgage	Payments on account	Balance due on 31st Oct., 1926	Interest rate	Date due
Badminton Club	$20,000 00	Nil	$20,000 00	6%	July 8, 1929
" "	1,000 00	100 00	900 00	7%	Dec. 4, 1929
W. B. Charlton	4,500 00	200 00	4,300 00	7%	Sept. 3, 1929
Amy L. Edwards	5,000 00	700 00	4,300 00	6½%	Feb. 1, 1928
1430 Yonge	30,000 00	450 00	29,550 00	6%	Oct. 23, 1930
" "	20,000 00	450 00	19,550 00	6%	Oct. 23, 1930
F. S. Livingston	5,500 00	500 00	5,000 00	7%	April 15, 1929
MacKechnie	20,000 00	2,000 00	18,000 00	6%	July, 15, 1930
McDermid Bros	8,500 00	1,750 00	6,750 00	6½%	Mar. 15, 1928
Provincial Bond Co	25,000 00	900 00	24,100 00	7%	July 15, 1929
" "	25,000 00	900 00	24,100 00	7%	July 15, 1929
" "	8,500 00	450 00	8,050 00	7%	July 15, 1929
" "	8,000 00	450 00	7,550 00	7%	July 15, 1929
" "	8,000 00	450 00	7,550 00	7%	July 15, 1929
St. James Court	50,000 00	2,250 00	47,750 00	7%	Jan. 15, 1930

SHOPS, CARHOUSES, STATIONS, MISCELLANEOUS BUILDINGS AND STRUCTURES.

Terminal station and shelter, Yonge Street, City limits.
Freight shed and car barns, Yonge Street, City limits; conductors' building, oil house.
Mount Pleasant—Paint and repair shop, 28 feet 6 inches by 73 feet, frame building.
Bond Lake—Car barns, 107 feet 8 inches by 41 feet 2 inches, white brick building, roof steel truss with slate.
Newmarket—Car barns, irregular (7,348 square feet), frame building, galvanized corrugated iron siding, roof flat, felt gravel.
Thornhill Golf Club (Stop 17)—Shelter 12 feet by 8 feet, galvanized.
Lot 40 (Stop 23)—Shelter, 10 feet 2 inches by 7 feet 11 inches, frame building on sills, shingle French roof.
Richmond Hill—Station and freight room, 33 feet 2½ inches by 22 feet 2½ inches, frame building, shingle roof.
Summit Golf Club (Stop 32)—Galvanized shelter, 12 feet by 8 feet.
Bond Lake:
- Dwelling, 24 feet 4 inches by 16 feet 2 inches, 1½-storey frame building with 1-storey Ell, 20 feet 6 inches by 12 feet 4 inches.
- Garage, 16 feet 3 inches by 9 feet 3 inches, frame building, shingle roof.
- Lavatory, 8 feet by 6 feet, frame lean to building, with shingle slope roof.
- Double dwelling, 40 feet 4 inches by 21 feet 10 inches, 1½-storey frame building, concrete foundation, shingle roof, with 1-storey Ell, 21 feet 6 inches by 12 feet 4 inches.
- Barn, 23 feet 3 inches by 19 feet 7 inches, frame building, shingle roof.
- Dwelling, 30 feet 6 inches by 18 feet 6 inches, frame building, 1½-storey concrete foundation, shingle roof, and Ell, 14 feet by 12 feet 6 inches.
- Cottage, 30 feet 8 inches by 30 feet 8 inches, frame building, masonry foundation, shingle roof.
- Platform shelter, 59 feet 1 inch by 13 feet 2 inches, with frame cover, 48 feet 8½ inches by 26 feet 6 inches.
- Dwelling, 26 feet 3 inches by 18 feet 4 inches, 1½-storey frame building, shingle roof, and Ell, 16 feet 4 inches by 18 feet 5 inches, with store, 14 feet 5 inches by 17 feet.
- Barn, 30 feet 2 inches by 24 feet 3 inches, frame building.
- Cook house, 31 feet 2 inches by 22 feet 3 inches, frame building, on posts.
- Pavilion, 80 feet 7 inches by 42 feet 8 inches, frame cover, shingle roof.
- Pavilion annex, 37 feet 2 inches by 28 feet 6 inches, frame cover, shingle roof.
- Pavilion, 49 feet 6 inches by 30 feet, frame cover, shingle roof.
- Boat house, 45 feet 9 inches by 24 feet 5 inches, frame building, shingle flat roof.
- Two pump houses, 8 feet 4 inches by 7 feet 2 inches by 7 feet 2 inches.
- Water tower, 8 feet diameter.
- Wading pool, concrete, 30 feet by 30 feet by 2 feet.
- Two pergolas, 10 feet by 7 feet.
- Bridge, 30 feet long, timber and steel.

Gasoline service station, 12 feet 3 inches by 8 feet, with 12-foot 3-inch by 9-foot 6-inch lean-to.
Refreshment stand, 35 feet by 23 feet, frame. Combined lavatory and sewage disposal tank.

Aurora Station—Freight room and dwelling, 64 feet 4 inches by 24 feet, 2-storey frame building, covered with sheet metal roof, paper and shingles.

Newmarket:

Dwelling, 25 feet 4 inches by 19 feet 5 inches, 1½-storey frame building, concrete foundations, with 1-storey Ell, 12 feet 5 inches by 10 feet 1 inch, and lean-to, 10 feet 8 inches by 18 feet 4 inches, slope roof.

Station, freight house and dwelling, 41 feet by 22 feet 10 inches, 2-storey frame building, shingle roof, with 1-storey freight room, 50 feet 7 inches by 22 feet 10 inches, sheet metal siding, shingle and sheet tin roof.

Sharon (Stop 56)—Galvanized shelter, 12 feet by 8 feet.

Doan's Side Road (Stop 57)—Shelter and freight room, 20 feet 6 inches by 12 feet 4 inches, frame building, shingle roof.

Queensville—Station and freight room and dwelling, 36 feet 2 inches by 19 feet, 2-storey frame building.

Holborn's Crossing (Stop 59)—Station and freight room, 24 feet 2 inches by 16 feet 4 inches, frame building, shingle roof.

Boag's (Stop 60)—Station and freight room, 24 feet 2 inches by 16 feet 4 inches, frame building, shingle roof.

Cowisson's (Stop 61)—Freight shed, 12 feet by 8 feet, frame lean-to, slope roof.

Ravenshoe (Stop 62)—Station and freight room, 24 feet 2 inches by 16 feet 4 inches, frame building, shingle roof.

Peters (Stop 63)—Freight shed, 16 feet 4 inches by 12 feet 4 inches, frame building, shingle roof.

Keswick (Stop 65)—Station and freight room, 34 feet 4 inches by 15 feet 2 inches, frame building; tool house, 16 feet 4 inches by 12 feet 5 inches, frame building.

Orchard Beach (Stop 68)—Galvanized shelter, 12 feet by 8 feet, with freight shed.

Boyers (Stop 69)—Station and freight room, 24 feet 2 inches by 16 feet 4 inches, frame building, shingle roof.

Roche's Point (Stop 70)—Shelter, 15 feet 8 inches, frame building.

Stop 70½—Platform.

Base Line (Stop 71)—Shelter, 14 feet by 7 feet, frame building.

Hamilton's Crossing (Stop 72)—Shelter, 14 feet by 10 feet, frame building.

Brighton Beach (Stop 73)—Platform.

Varney Road (Stop 74)—Platform.

Eastbourne (Stop 75)—Shelter, 9 feet 6 inches by 12 feet 4 inches, frame building, shingle roof.

Island Grove (Stop 76)—Station and freight room, 32 feet 4 inches by 16 feet 4 inches, frame building, on concrete posts, shingle roof.

Pugsley's (Stop 77)—Galvanized shelter, 12 feet by 8 feet.

Crescent Beach (Stop 79)—Shelter and freight room, 20 feet by 16 feet, frame building, shingle roof.

Willow Beach (Stop 80)—Platform.

Sedore (Stop 81)—Station and freight shed, 24 feet 2 inches by 16 feet, frame building, shingle roof.

Salvation Army (Stop 83)—Shelter, 12 feet by 16 feet, frame building.

Glen Sibbald (Stop 85)—Platform.

Jackson's Point (Stop 87)—Platform, shelter and freight room, frame cover to concrete platform, 32 feet 6 inches by 51 feet, including freight room, 21 feet 2 inches by 10 feet 6 inches, and office, 11 feet by 12 feet 2 inches.

Sutton (Stop 88)—Station, freight room and dwelling, 40 feet 3 inches by 35 feet 4 inches, 2-storey frame building, sheet metal and brick first storey, and clap-board second storey, shingle roof.

Mount Pleasant—Store house, 2-storey brick building.

Furniture.

Furniture and fixtures in the following buildings:

Furniture used by T. & Y. District operating staff at 110 Elm Street, Toronto.
Furniture used by T. & Y. District operating staff at 59 Murray Street, Toronto.
Sherbourne Street Stores Department.
Ticket Office, Waiting Room and Freight Shed, City limits, Yonge Street.
Richmond Hill Station and Freight House.
Aurora Station and Freight House.
Newmarket Station and Freight House.
Queensville Station.
Keswick Station.
Jackson's Point Station.
Mount Pleasant Storeroom.
Sutton Station.
At various points along line fifteen loading platforms.

Miscellaneous Equipment.

Nine automobile trucks.
Two motorcycles.
Three trailers.

Material and Supplies.

All material and supplies at the following places:
Sherbourne Street Storehouse.
Terminal Yonge Street City limits.
S. & A. Junction Material Yard.
Newmarket and various places along the line.

Passenger Cars.

19 double truck, double and closed passenger cars.

Freight and Express Cars, Service Equipment and Locomotives.

5 single truck, miscellaneous cars.
50 double truck, miscellaneous cars and locomotives.
3 gasoline section cars.

Electrical Equipment for Said Cars, Service Equipment and Locomotives.

General Electric	No. 90	motors,	50 h.p.—	34 motors.
" "	No. 57	"	50 h.p.—	46 "
" "	No. 67	"	40 h.p.—	16 "
" "	No. 1000	"	35 h.p.—	6 "
Westinghouse	No. 101	"	40 h.p.—	28 "
"	No. 562	"	100 h.p.—	4 "

Shop Equipment.

1 pinion puller, complete (air).
1 acetylene welding and cutting torch (complete).
1 small lathe.
1 Field winding machine.
1 3-ton portable crane.
1 Clark and Derhill (Galt) 16 inches, jointer head table 22½ inches by 7 inches by 3 feet.
1 band-saw frame.
1 160-ton wheel press.
1 heavy axle and wheel lathe with chuck 18 feet bed.
1 15 h.p. A.C. motor and accessories.
1 Bertram lathe, 14-foot bed with 21 inches swing.
1 lathe with 8-foot bed, with 20 inches swing.
1 iron shaping machine (London Mach. Co.), 25-inch stroke.
1 emery stand.
1 14-inch power hack saw.
1 bolt cutting machine.
1 radial drill, 36-inch swing (London Mach. Tool Co.).
1 20-inch drill press.
1 trip hammer (motor driven).
1 30-foot monorail (6 feet 1 inch) overhead crane.
1 Reavell Co., Ltd., quadruplex air compressor No. 2105.
1 motor for above—65 B.H.P., 250 R.P.M., 110 amps., 500 volts.
1 automatic switchboard for same (Bruce Peebles Co., Scotland).
1 Canadian Rand compressor, size 0, No. 4787.
1 motor for same, C.G.E. Class 3-35-650, 35 h.p., form B., 60 amps., 500 volts, 650 r.p.m.
1 hydraulic rail bender.
1 rail saw.
1 bonding machine, Type B.

And all small tools, miscellaneous equipment, motor parts, control parts and other miscellaneous parts, air brake equipment, trucks, wheels on axles, miscellaneous car parts, store-room supplies and compressor parts in shops.

Substations and Substation Railway Equipment.

Property Used for Railway Purposes.

All direct current equipment and material is included, but none of the alternating current equipment or material in the substation buildings or on the substation sites is included except service transformers, lighting connections and the switching equipment between the alternating

current low voltage busses and the motors and except such other equipment as is specifically noted.

York Mills Substation.
Brick building, 30 by 60 feet (approximate).
Railway equipment:
2 500-k.w. induction motor generator sets with switching equipment.
1 2,100-volt single phase feeder equipment.

Bond Lake Substation.
Brick buildings, 20 by 28 feet and 100 by 100 feet.
Railway equipment:
1 500-k.w. induction motor generator set with switching equipment.
1 500-k.w. synchronous motor generator set with switching equipment.
Spare motor generator equipment.

Newmarket Substation.
Brick building, 40 by 80 feet.
Railway equipment:
2 500-k.w. induction motor generator sets with switching equipment.

Keswick Substation.
Frame and sheet-iron buildings, 50 by 75 feet and 10 by 10 feet.
Railway equipment:
1 500-k.w. induction motor generator set with switching equipment.

Sedore Substation.
Brick building.
Railway equipment:
1 500-k.w. induction motor generator set (moved from Bond Lake Substation.)
All alternating current equipment excepting metering with current and potential transformers.

SCHOMBERG AND AURORA RAILWAY.

Right-of-Way.

Right-of-Way—121.829 acres.

Other Lands.

S. & A. Junction property—7.10 acres.
Grand Trunk Interchange—7.37 acres.
Substation, Kettleby—0.595 acres.
Schomberg Station Yard—1.781 acres.

Roadway.

Roadway, extending from S. & A. Junction to Schomberg, including grading track work, with sidings and turn-outs, bridges, trestles and culverts, railway D.C. power distribution system, telephone system, fences and signs.

The foregoing items do not include conductors' transmitting alternating current, nor poles, crossarms, pins, insulators, conductors, lighting equipment, transformers, switches, meters and other accessories used exclusively for the transmission, distribution or use of alternating current power whether owned by the Commission or a municipality.

Roadway, Machinery and Tools.

Roadway, machinery and tool equipment in possession of gang on maintenance-of-way and structures.

Stations and Miscellaneous Buildings.

Schomberg Junction Station—Freight shed and tool house.
Eversley (Stop 160)—Shelter, 14 feet by 11 feet, frame building, shingle roof.
Stop 163—Shelter, 14 feet by 11 feet, frame building, shingle roof, tool house.
Kettleby (Stop 166)—Shelter and freight room, 19 feet 8 inches by 13 feet 10 inches.
Schomberg—Station and dwelling, 33 feet 2½ inches by 21 feet, one-storey brick building with one-storey frame; ell, 17 feet 3½ inches by 17 feet 5 inches.
Freight house, 28 feet 4 inches by 18 feet 3 inches, frame; tool house.

Furniture.

Furniture and fixtures in the following buildings:
Schomberg Junction Station and freight shed and Schomberg station and freight house.

Substation and Substation Railway Equipment.

Schomberg and Aurora Substation—Brick building, 21 feet by 30 feet.
Railway equipment:
1 500-k.w. induction motor generator set.
All switching equipment in station excepting alternating current metering equipment, including current and potential transformers.

Materials and Supplies.

All materials and supplies stored along the line.

MIMICO DIVISION.

The Mimico Division, as understood in this agreement, shall include all of the right-of-way, other lands and real estate, road bed, bridges, trestles, culverts, fences, signs, track, track tools, poles and fixtures, railway direct current distribution system, shops, car houses, offices, stations, miscellaneous buildings, passenger cars, freight cars, service cars, shop equipment, furniture, stores, substation buildings with their railway equipment, all operated as the Mimico Division and consisting of a single track line of electrical radial railway with sidings, spurs, and all necessary appurtenances, extending from the westerly limits of the City of Toronto, on the Toronto and Hamilton Highway to Port Credit, a distance of 8.37 miles, all as set out more particularly in the following schedule:—

Right-of-Way.

At Mimico Creek, 2,756 feet	2.71 acres
Mimico property	0.88 "
West of New Toronto, 37 feet by 1,705 feet	1.45 "
Long Branch (45 feet and 50 feet) by 1,416 feet	1.52 "
At Etobicoke Creek, 3,415 feet	6.77 "

Other Lands:

Humber property, Lake Shore Road and Queen Street:

344 feet by (143 feet and 95 feet)
75 feet by 210 feet.
63 feet by 219 feet.
25 feet by 233 feet. ..... 1,967 acres

Subject to the right of the Hydro-Electric Power Commission of Ontario to maintain and operate on the said Humber property its towers and transmission lines now situate thereon.

Lakeview Substation property:

Lot 25, Registered Plan C. 23, Township of Toronto.
Northwest corner East Avenue and Lake Shore Road.

Roadway.

Extending from Toronto West City limits on Lake Shore Road to Port Credit, including bridges, trestles and culverts, track work with all turnouts and sidings, poles and fixtures, railway direct current power distribution system with feeders and telephone system, fences and signs.

The foregoing items do not include conductors transmitting alternating current nor poles, cross-arms, pins, insulators, conductors, lighting equipment, transformers, switches, meters and other accessories used exclusively for the transmission, distribution or use of alternating current power whether owned by the Commission or by a municipality.

Roadway, machinery and tool equipment in possession of maintenance-of-way force on way and structures.

Furniture.

Furniture and fixtures in the following buildings:

Foreman's office at car barns.

Passenger and Miscellaneous Cars.

24 motor passenger cars and one set trucks and motors.
8 miscellaneous cars.

Motor Equipment for Cars.

General Electric,	67	motors,	40 h.p.	—44	
"	"	57	"	50 h.p.	—28
"	"	265	"	35 h.p.	32
					104

Stations and Miscellaneous Buildings.

Humber—Shelter and candy shop, irregular shape, frame building.

Freight building, used as a real estate office, located on property at Lake Shore Road and Queen Street.

Stop 5—Shelter, 10 feet by 6 feet, frame lean-to.
Stop 15—Shelter, 10 feet by 6 feet, frame lean-to.
Stop 28—Shelter, 12 feet by 8 feet, galvanized.
Stop 30—Shelter, 10 feet by 6 feet, frame lean-to.
Stop 36—Shelter, 10 feet by 6 feet, frame lean-to.
Stop 34—Shelter, 12 feet by 8 feet, galvanized.

Substations and Substation Railway Equipment.

Humber Substation—Sheet-iron building.

Railway Equipment:

Two 500-k.w. induction motor generator sets with switching equipment and alternating current switching equipment between the 4,000-volt bus and the motors; also with line disconnecting switches, lightning arresters, service transformers and lighting connections.

Lakeview Substation—Sheet-iron building.

Railway Equipment:

One 500-k.w. rotary converter with transformers and switching equipment. Alternating current metering equipment, including current and potential transformers and panels is not included.

Material and Supplies.

All materials stored along the line.

Shop Equipment.

All small tools and electrical equipment, air-brake equipment, trucks, miscellaneous car parts and miscellaneous storeroom supplies, in Lake Shore Road car barns.

Also all right, title and interest, if any, of the Hydro-Electric Power Commission of Ontario in the railway property and equipment used in connection with the Mimico Division which are located east of the westerly limits of the City of Toronto, including the bridge over the Humber River, tracks to the Jane Street loop and to car-house, also overhead feeders, car-house and shops, together with the right to use, to such extent as may from time to time be necessary for the operation of the Mimico Division, so much of the land of the Hydro-Electric Power Commission of Ontario, formerly part of the Lake Shore Road, as are now occupied by the said railway property and equipment and used in connection with the Mimico Division, for such time as such use may be required, but not exceeding a period of five years from the time of transfer; provided, that upon the termination of such use the Corporation of the City of Toronto, will at its own expense remove all of the said railway property and equipment from the lands of the Commission within six months from such termination, and in default of such removal the said railway property and equipment shall become the property of the said Commission; and provided also that the Corporation so long as it continues to use the said portions of the Commission's lands occupied by the said railway property and equipment will assume payment of all taxes payable in respect to the said lands.

SCARBORO DIVISION.

The Scarboro Division, as understood in this agreement, shall include all of the right-of-way, other lands and real estate, road-bed, bridges, trestles, culverts, fences, signs, track, track tools, poles and fixtures, railway direct current power distribution system, shops, car houses, offices, stations, miscellaneous buildings, ballast pits, park and resort property, passenger cars, freight cars, service cars, shop equipment, furniture, stores, substation buildings with their railway equipment, all operated as the Scarboro Division, and consisting of a single-track line of electric radial railway, with sidings, spurs, and all other necessary appurtenances, extending from the easterly limits of the City of Toronto on the Kingston Road to West Hill, a distance of 8.3 miles, together with certain parcels of real estate, all as set out more particularly in the following schedule:—

Right-of-Way.

1.85 miles, generally 40 feet wide—11.91 acres.

Other lands:

Terminal Station:

Lot 131 South 46.9 feet.

Lot 132, registered plan 1701, Township of Scarboro.

Part of Lot No. 35, Con. A, Township of Scarboro, 5,170 square feet.

Part of Lot 170 and 171, registered plan 1701, Township of Scarboro, 30 feet frontage, Kingston Road.

Substation property:

Part of Lot No. 35, North side Kingston Road.

Scarboro Township, 100 feet by 200 feet—0.458 acres.

Car Barn property:

Part of Lot No. 32, south side Kingston Road.

Scarboro Township, 157 feet by (180 feet, 253 feet)—0.75 acres.

Park property:

Part of Lot 21, south side Kingston Road.

Scarboro Township, 791 feet x 4,013 feet—58.2 acres.

Farm near gravel pit:

Part of Lot No. 14, north side Kingston Road.

Scarboro Township—58 acres.

Roadway.

Extending from easterly limits of Toronto on the Kingston Road to West Hill, including bridges, trestles and culverts, track work, with all turnouts and sidings, poles and fixtures, railway direct current power distribution system, with feeders, telephone system, fences and signs.

The foregoing items do not include conductors transmitting alternating current, nor poles, crossarms, pins, insulators, conductors, lightning equipment, transformers, switches, meters and other accessories used exclusively for the transmission, distribution or use of alternating current power whether owned by the Commission or by a municipality.

Roadway, Machinery and Tools.

Roadway, machinery and tool equipment in possession of maintenance-of-way forces on way and structures.

Stations, Miscellaneous Buildings and Structures.

Terminal Station—Victoria Park Avenue.
Stop 18—Car barns, 122 feet by 60 feet, brick building, flat roof.
Stop 12—Galvanized shelter, 12 feet by 8 feet.
Stop 14—Frame shelter.
Stop 16—Shelter, 7 feet by 4 feet 2 inches, frame building.
Scarboro Heights (Stop 21)—Pavilion, 79 feet 8 inches by 40 feet 7 inches, frame building; cook house, roof, 16 feet 2 inches by 14 feet 2 inches, frame building; ell, 12 feet by 5 feet.
Stop 24—Shelter, 10 feet 4 inches by 10 feet 3 inches, frame building, French roof.
Station 357—Tool house, 16 feet 4 inches by 12 feet, frame building.
Stop 33—Shelter, 10 feet by 8 feet, frame building.
Stop 35—Frame shelter, West Hill.

Furniture.

All furniture and fixtures contained in car barns.

Substation and Substation Railway Equipment.

Scarboro Substation:
Frame buildings, 37 feet by 20 feet and 23 feet by 15 feet.
Railway equipment:
One 500-k.w. induction motor generator set with direct current switching equipment and with alternating current switching equipment between alternating current low voltage busses and motor; also with lighting connections.

Passenger, Service and Miscellaneous Cars.

2 single truck passenger cars.
11 double truck passenger cars.
4 miscellaneous cars.

Electric equipment for said cars:

General Electric,	67 motors,	40 h.p.	—32
" "	57 "	50 h.p.	— 6
Westinghouse	101 B motors	—40 h.p.	— 2
"	306 "	60 h.p.	—20
Total motors			60

Shop Equipment.

All small tools contained at Scarboro shops.

Materials and Supplies.

All electrical equipment, air-brake equipment, truck parts, miscellaneous car parts, and miscellaneous storeroom supplies and all materials and supplies stored at various points along the line.

Mortgages on Lands.

Name of Mortgagor	Amount of Mortgage	Payments on Account	Balance due on 31st Oct., 1926	Interest rate	Date due
W. E. McKay	$11,500 00	$1,500 00	$10,000 00	7%	Feb. 9, 1930
A. J. Skeans	3,600 00	200 00	3,400 00	6%	Jan. 15, 1930
Standard Securities Corporation	5,200 00	Nil	5,200 00	6%	Oct. 1, 1930

SCHEDULE TWO.

This agreement made the seventh day of January, A.D. 1927.

BETWEEN:

THE CORPORATION OF THE CITY OF TORONTO,
(hereinafter called "the City"),
of the first part,

—and—

THE TORONTO TRANSPORTATION COMMISSION,
(hereinafter called "the Commission"),
of the second part.

Whereas by *The Toronto Radial Railways Act, 1926*, the City was authorized to enter into an agreement with the Hydro-Electric Power Commission of Ontario with the approval of the Lieutenant-Governor in Council to provide for the transfer from the said Hydro-Electric Power Commission of Ontario to the City of the radial railways vested in and operated by the said Hydro-Electric Power Commission of Ontario on behalf of the City under the provisions of *The Toronto Radial Railways Act, 1921*, and the agreements therein authorized to be made;

And whereas the City has entered into an agreement with the Hydro-Electric Power Commission of Ontario dated the sixth day of January, 1927, under the authority of *The Toronto Radial Railways Act, 1926*, providing for the transfer to the City at midnight on the fifth day after the day on which the Order-in-Council approving said agreement is issued (which time is in said agreement and hereinafter referred to as the "time of transfer") of the operation and control of, and all right, title and interest vested in the said Hydro-Electric Power Commission of Ontario by *The Toronto Radial Railways Act, 1921*, in the said railways, comprising:—

(*a*) The Metropolitan Division, including the Schomberg and Aurora Railway;
(*b*) The Mimico Division, and
(*c*) The Scarboro Division,

as more particularly set forth and described in the Schedule to the said agreement, which railways as described in the said Schedule are hereinafter referred to as "the railways."

And whereas by *The Toronto Radial Railways Act, 1926*, it is further provided that the City may, after the railways have been transferred to it, transfer the control, management and operation of the railways to the Toronto Transportation Commission upon such terms as may be agreed upon; and that upon such transfer being made the Toronto Transportation Commission shall possess in respect to the railways and any extension thereof all the powers of control, management and/or operation conferred upon the City by the said *The Toronto Radial Railways Act, 1926;*

Now therefore this agreement witnesseth that the City and the Commission have agreed as follows, namely:—

1. The City hereby transfers to the Commission the control, management and operation of the railways to take effect from and after the time of transfer from the Hydro-Electric Power Commission of Ontario to the City and thereafter all the powers, rights, authorities and privileges of the City as to control, management and/or operation of the railways and future extensions or additions to such railways, or any transportation service to be operated in connection with such railways shall be exercised by the Commission and not by the Council of the City.

2. The Commission will thereafter control, manage and operate such railways or transportation services on behalf of the City, subject to the provisions of this agreement, so as to secure the most effective operation and service of the same consistent with good management and so as to make, as far as possible, the same self-sustaining as provided for in paragraph 4 (*b*) hereof.

3. (*a*) The City will from time to time furnish to the Commission on demand such moneys as it may require to carry out its powers and duties hereinunder, including such sum in excess of operating revenues as may be required to meet the full cost of maintenance and operation, which cost shall include such maintenance, renewals, depreciation and debt charges as the Commission shall think proper; notwithstanding anything in the foregoing, any moneys requested by the Commission for new capital expenditure shall only be furnished it when approved by the Council of the City.

(*b*) Any moneys provided by the City as above shall, upon the certificate of the Commission, be paid out to it by the treasurer of the City.

(*c*) All moneys furnished by the City to the Commission for the creation of capital assets only as herein provided shall be added to and form part of the capital indebtedness of the railways.

4. The Commission shall, in particular, but not so as to restrict its general powers and duties, have, with reference to the said railways, the following powers and duties, namely:—

(*a*) To add to or extend the railways by lines of railway, motor bus routes or other means of transportation, and to control, maintain, operate and manage such additions or extensions.

(*b*) To fix such tolls and fares so that, as far as possible, all transportation facilities entrusted to it by this agreement shall be self-sustaining after providing for such maintenance, renewals, depreciation and debt charges as it shall think proper.

(*c*) To permit and/or obtain such interchange of traffic or through running arrangements with other street or electric railways or transportation facilities (including any other services operated by the Commission) as the Commission may consider advisable for the carriage of passengers, package freight or express.

5. The Commission may make such agreements with any municipal corporations through which any of the transportation services of the Commission pass or any adjoining municipal corporation which is desirous of transportation service in its territory for participation by the said municipal corporation in the furnishing of such transportation service upon such terms and conditions as the parties to any such agreement may deem proper; provided, however, that no such agreement shall have any force and effect until it is ratified by by-law of the Council of the City.

6. The Commission will keep separate books of account in respect of the matters entrusted to it by this agreement and will enter therein all items received or expended in respect of such matters, and such books of account shall show separately the receipts and expenditures relating to the Metropolitan Division, the Schomberg and Aurora Railway, the Mimico Division, and the Scarboro Division, or such other division of its operation as may from time to time be natural and proper.

7. All moneys received by the Commission by virtue of the exercise of any of the powers or duties conferred by this agreement shall be kept entirely separate from any other moneys in its possession and it shall be illegal for the Commission to use or resort, whether by way of loan or otherwise, to such first-named moneys for any purpose not contemplated by this agreement or to use or resort in a like manner to any other moneys in its possession in aid of the execution of any of the purposes contemplated by this agreement.

8. In case of joint operation or use of any works or facilities by the transportation services referred to in this agreement and any other transportation facilities operated by the Commission, the Commission may, unless otherwise precluded therefrom, make a fair and equitable apportionment of any revenues or expenditures between or among the various facilities from time to time entrusted to its management.

9. Immediately after the close of each calendar year the Commission shall submit to the Council of the City a completely audited balance sheet and certified financial statement of the affairs entrusted to it by this agreement, including a revenue and expense account, and profit and loss statement of each division of the railways, and said statement shall be accompanied by a general report of the operations of the Commission under this agreement during the year.

10. All books, documents, transactions and accounts of the Commission shall at all times be open for inspection by the Audit Department of the City.

11. All claims or actions for alleged negligence in the operation of the railways shall be dealt with by the Commission and the Commission shall have the conduct and control of all such claims or actions made or brought against either the City or the Commission and may defend or compromise the same as it deems expedient, and all expenses in connection with any such claims or actions shall be paid out of the revenues of the transportation services entrusted to the Commission by this agreement, and the Commission will, to the extent of such revenues, indemnify and save harmless the City from all loss, costs, charges and expenses in respect to all such actions and claims.

12. The Commission will, if it deems advisable after providing for maintenance, repair and operation and such maintenance renewals, depreciation and debt charges as it shall think proper, pay to the City any surplus of revenue over expenditures remaining in its hands at the end of any year in respect of the railways and transportation services entrusted to its management by this agreement.

13. In the event of legislation being required to carry into effect any of the objects of this agreement, the parties hereto agree to use their best endeavours to have such legislation procured.

In witness whereof the parties hereto have hereunto set their Corporate Seals by the hands of their proper officers in that behalf.

SIGNED, SEALED AND DELIVERED

TORONTO TRANSPORTATION COMMISSION

(Sgd.) "E. J. LENNOX," *pro Chairman*,
(Sgd.) "H. S. CAMERON," *Secretary*.

in the presence of:

(SEAL)

THE CORPORATION OF THE CITY OF TORONTO,

(Sgd.) "THOMAS FOSTER," *Mayor*.
(Sgd.) "GEO. H. ROSS," *Treasurer*.

(SEAL)

APPENDIX II

TRANSMISSION LINE RECORDS

Corrected to October 31, 1927

including

Summaries of data respecting mileage of transmission lines built or acquired by the Hydro-Electric Power Commission. The sizes, materials, lengths and weights of conductors, and other particulars of the 110,000-volt steel-tower transmission lines, the wood-pole transmission lines—excepting lines 4,000 volts or less—and the telephone lines.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

The total mileage of lines built and acquired by the Commission up to October 31, 1927, for the various systems, excepting all lines operating at less than 5,000 volts, is indicated in the following table:

TOTAL MILEAGE OF TRANSMISSION LINES

System	Miles
Niagara system—110,000-volt steel-supported transmission lines	592.62
Niagara system—110,000-volt wood-supported transmission lines	66.98
Thunder Bay system—110,000-volt steel-supported transmission lines	78.69
Thunder Bay system—110,000-volt wood-supported transmission lines	92.10
Thunder Bay system—12,000-volt wood-supported transmission lines	1.45
Niagara system—90,000-volt steel supported transmission lines	78.50
Niagara system—60,000-volt steel-supported transmission lines	54.07
Niagara system—60,000-volt wood-supported transmission lines	16.79
Niagara system—46,000-volt steel and wood-supported transmission lines	50.52
Niagara system—30,000-volt wood-supported transmission lines	18.99
Niagara system—26,400-volt wood-supported transmission lines	495.09
Niagara system—13,200-volt wood-supported transmission lines	411.72
Niagara system—12,000-volt wood-supported transmission lines	176.70
Georgian Bay system—	
Severn division—(22,000-volt)	166.88
Eugenia division—(22,000-volt)	256.41
Wasdells division—(22,000-volt)	71.45
Muskoka division—(38,000-volt and less)	58.95
St. Lawrence system—(44,000-volt and less)	119.92
Rideau system—(26,400-volt)	76.65
Central Ontario and Trent system—(44,000-volt and less)	443.17
Nipissing system—(22,000-volt)	22.75
Total	3,350.40
Total wood-pole telephone lines for high-voltage systems	768.19

NOTE—Of the above the Niagara system is operated at 25 cycles. The other systems are operated at 60 cycles.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

TOTAL MILEAGES AND WEIGHTS OF CONDUCTORS

Type of construction	Wire miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1926	Completed Oct. 31, 1926, to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926, to Oct. 31, 1927	Under construction Oct. 31, 1927
High voltage lines, 110,000 volts and less, Niagara system.....	4,330.29	1.11	608.07	13,222,627	4,553	3,287,834
High voltage lines 110,000 volts and less Thunder Bay system..	525.75	18.45	.....	1,338,901	51,438	.....
Wood-pole lines built and acquired by the Commission including telephone lines.....	13,204.99	45.19	182.55	10,488,403	67,477	636,078
High voltage telephone lines, Niagara system.	3,339.12	23.23	.....	939,189	4,855	.....
High voltage telephone lines, Thunder Bay system.....	201.10	.....	.....	71,770	.....	.....
Totals.....	21,601.25	87.98	790.62	26,060,890	128,323	3,923,912

NOTE.—This table does not include lines operated at less than 5,000 volts.

NIAGARA SYSTEM—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Total to Oct. 31, 1927
	miles	miles	miles
110,000-volt steel-supported transmission lines	592.62	.....	592.62
110,000-volt wood-supported transmission lines	66.98	.....	66.98
90,000-volt steel-supported transmission lines	78.50	.....	78.50
60,000-volt steel supported transmission lines	54.07	.....	54.07
60,000-volt wood-supported transmission lines	12.23	0.37	12.60
30,000-volt and less, wood-supported transmission lines	21.77	.....	21.77
Totals	826.17	0.37	826.54

Lines completed to 1927 and under construction on Oct. 31, 1927:
Completed 826.54 miles, under construction 202.69 miles = total 1029.23 miles.

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927
167,800 c.m., a.c.s-r	198.00	.....	.....	242,946	.....	.....
266,800 c.m., a.c.s-r	308.43	.....	.....	558,566	.....	.....
312,000 c.m., a.c.s-r	598.62	.....	.....	1,547,432	.....	.....
336,400 c.m., a.c.s-r	571.14	.....	.....	1,592,338	.....	.....
500,000 c.m., a.c.s-r	245.19	1.11	.....	1,005,769	4,553	.....
605,000 c.m., a.c.s-r	504.81	.....	.....	2,078,807	.....	.....
795,000 c.m., a.c.s-r	.....	.....	608.07	.....	.....	3,287,834
115,000 c.m., copper	22.47	.....	.....	41,996	.....	.....
190,000 c.m., copper	767.52	.....	.....	2,431,503	.....	.....
167,800 c.m., copper	616.86	.....	.....	1,679,709	.....	.....
211,600 c.m., copper	322.02	.....	.....	1,105,494	.....	.....
115,000 c.m., alum	0.57	.....	.....	327	.....	.....
211,600 c.m., alum	34.20	.....	.....	35,910	.....	.....
345,000 c.m., alum	79.50	.....	.....	130,141	.....	.....
500,000 c.m., alum	6.60	.....	.....	16,434	.....	.....
820,000 c.m., alum	36.06	.....	.....	108,180	.....	.....
300,000 c.m., l-c.a.c. copper	7.98	.....	.....	386,875	.....	.....
350,000 c.m., l-c.a.c. copper	8.04	.....	.....	228,900	.....	.....
500,000 c.m., l-c.a.c. copper	2.28	.....	.....	31,300	.....	.....
Totals	4,330.29	1.11	608.07	13,222,627	4,553	3,287,834

NOTE.—a.c.s-r = Aluminum conductors, steel-reinforced, weight includes steel.
l-c.a.c. = lead-covered armoured cable.
N. 56 x 55 and N. 59 x 66 on 60 Kv. trans. line towers only conductor removed = 31.85 miles.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Total to Oct. 31, 1927
110,000-volt steel towers	5,365	.....	5,365
110,000-volt wood poles	822	.....	822
90,000-volt steel towers	902	.....	902
60,000-volt steel towers	769	.....	769
60,000-volt wood poles	414	7	421
30,000-volt and less, wood poles	1,003	.....	1,003
Totals	9,275	7	9,282

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Miles of four-circuit line and underground cable			Total miles one, two and four circuit lines
Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1927
66.00	.....	.....	.....	.....	.....	.....	.....	.....	66.00
38.31	.....	.....	32.25	.....	.....	.....	.....	.....	70.56
23.90	.....	.....	87.82	.....	.....	.....	.....	.....	111.72
.....	.....	.....	95.19	.....	.....	.....	.....	.....	95.19
0.25	0.37	.....	40.74	.....	.....	.....	.....	.....	41.26
0.98	.....	.....	78.63	.....	.....	2.52	.....	.....	82.13
.....	.....	202.69	.....	.....	.....	.....	.....	.....	.....
7.49	.....	.....	.....	.....	.....	.....	.....	.....	7.49
4.74	.....	.....	125.55	.....	.....	.....	.....	.....	130.29
.....	.....	.....	102.81	.....	.....	.....	.....	.....	102.81
.....	.....	.....	53.67	.....	.....	.....	.....	.....	53.67
0.19	.....	.....	.....	.....	.....	.....	.....	.....	0.19
.....	.....	.....	5.70	.....	.....	.....	.....	.....	5.70
.....	.....	.....	13.25	.....	.....	.....	.....	.....	13.25
.....	.....	.....	1.10	.....	.....	.....	.....	.....	1.10
12.02	.....	.....	.....	.....	.....	.....	.....	.....	12.02
.....	.....	.....	.....	.....	.....	0.48	.....	.....	0.48
.....	.....	.....	.....	.....	.....	0.67	.....	.....	0.67
.....	.....	.....	.....	.....	.....	0.38	.....	.....	0.38
153.88	0.37	202.69	636.71	.....	.....	4.05	.....	.....	794.91

THUNDER BAY SYSTEM—

MILEAGE OF HIGH-VOLTAGE LINES

	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Total to Oct. 31, 1927
	miles	miles	miles
110,000-volt steel-supported transmission lines.....	72.54	6.15	78.69
110,000-volt wood-supported transmission lines.....	92.10	.....	92.10
12,000-volt wood-supported transmission lines.....	1.45	.....	1.45
Totals.....	166.09	6.15	172.24

SIZE, MATERIAL, LENGTH AND

	Miles of conductors			Weight in pounds		
Size and material	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927
336,400 c.m., a.c.s-r.....	12.60	18.45	.....	35,128	51,438	.....
4/0 a.c.s-r (211,600 c.m.)....	233.67	.....	.....	363,590	.....	.....
4/0 copper (211,600 c.m.)....	264.33	.....	.....	907,444	.....	.....
2/0 copper (133,079 c.m.)....	15.15	.....	.....	32,739	.....	.....
Totals.....	525.75	18.45	.....	1,338,901	51,438	.....

NOTE.—a.c.s-r—aluminum conductor, steel-reinforced, weights include steel.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Total to Oct. 31, 1927
110,000-volt steel towers	474	30	504
110,000-volt wood poles	1,422	.....	1,422
12,000-volt wood poles	57	.....	57
Totals	1,953	30	1,983

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Total miles single- and double-circuit line
Completed Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1927
4.20	6.15	.....	.....	.....	.....	10.35
77.89	.....	.....	.....	.....	.....	77.89
69.79	.....	.....	9.16	.....	.....	78.95
5.05	.....	.....	.....	.....	.....	5.05
156.93	6.15	.....	9.16	.....	.....	172.24

NIAGARA SYSTEM—WOOD-POLE TELEPHONE LINES

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of wire			Weight in pounds			Miles of single-circuit lines		
	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927	Under construction Oct. 31, 1927
No. 9 B. & S. G. copper.	1,109.38	23.23	.....	231,860	4,855	.....	107.13	.....	.....
No. 10 B. & S. G. copper.	838.62	.....	.....	139,210	.....	.....	257.93	.....	.....
No. 11 B. & S. G. copper.	139.86	.....	.....	22,097	.....	.....	69.93	.....	.....
No. 8 weather-proof copper.....	15.00	.....	.....	5,235	.....	.....	.....	.....	.....
No. 4 copper-clad steel..	12.00	.....	.....	7,440	.....	.....	.....	.....	.....
No. 8 copper-clad steel..	75.68	.....	.....	18,541	.....	.....	32.36	.....	.....
No. 17 copper-clad steel..	10.88	.....	.....	326	.....	.....	5.44	.....	.....
No. 14 copper-clad steel..	7.68	.....	.....	468	.....	.....	.....	.....	.....
No. 19 p-i.l-c. cable.....	819.20	.....	.....	112,082	.....	.....	.....	.....	.....
No. 22 p-i.l-c. cable.....	34.00	.....	.....	296,208	.....	.....	.....	.....	.....
No. 12 B.W.G. galv. iron	11.40	.....	.....	1,881	.....	.....	5.70	.....	.....
No. 6 a.c.s-r.....:....	129.44	.....	.....	24,852	.....	.....	.....	.....	.....
6 x 0661 st. 1 x 0661 al...	132.00	.....	.....	77,748	.....	.....	66.00	.....	.....
No. 12 weather-proof iron	3.98	.....	.....	1,241	.....	.....	1.99	.....	.....
Totals.....	3,339.12	23.23	.....	939,189	4,855	.....	546.48	.....	.....

NOTE.—B. & S. G.—Browne & Sharpe gauge. B.W.G.—Birmingham wire gauge.
—a.c.s-r—aluminum cable steel-reinforced.

FOR HIGH VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Miles of double-circuit lines			Miles of 4-circuit lines			Miles of paper-insulated lead-cover copper			Total mileage 1-, 2-, 4-, and miscellaneous circuits completed to Oct. 31, 1927
Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	
114.58	5.83	.....	54.60	.....	.....	.....	.....	.....	282.14
80.69	.....	.....	.....	.....	.....	.....	.....	.....	338.62
.....	.....	.....	.....	.....	.....	.....	.....	.....	69.93
3.75	.....	.....	.....	.....	.....	.....	.....	.....	3.75
3.00	.....	.....	.....	.....	.....	.....	.....	.....	3.00
.....	.....	.....	1.37	.....	.....	.....	.....	.....	33.73
.....	.....	.....	.....	.....	.....	.....	.....	.....	5.44
1.92	.....	.....	.....	.....	.....	.....	.....	.....	1.92
.....	.....	.....	.....	.....	.....	11.16	.....	.....	11.16
.....	.....	.....	.....	.....	.....	0.34	.....	.....	0.34
.....	.....	.....	.....	.....	.....	.....	.....	.....	5.70
32.36	.....	.....	.....	.....	.....	.....	.....	.....	32.36
.....	.....	.....	.....	.....	.....	.....	.....	.....	66.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	1.99
236.30	5.83	.....	55.97	.....	.....	11.50	.....	.....	856.08

p-i.l-c.c.—paper-insulated, lead-covered cable.

THUNDER BAY SYSTEM—WOOD-POLE TELEPHONE

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of wire			Weight in pounds		
	Completed to Oct. 31, 1926	Completed Oct. 31, 1926, to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926, to Oct. 31, 1927	Under construction Oct. 31, 1927
3 x 12 galv. steel	13.24	.....	.....	6,554	.....	.....
3 x 13 galv. steel	161.04	.....	.....	60,390	.....	.....
No. 6 a.c.s-r	18.32	.....	.....	3,517	.....	.....
No. 10 copper-clad steel	8.50	.....	.....	1,309	.....	.....
Totals	201.10	.....	.....	71,770	.....	.....

NIAGARA SYSTEM—HIGH-VOLTAGE TELEPHONE LINES

TOTAL MILEAGE AND WEIGHT OF CONDUCTORS

Size and material—B. & S. gauge	Wire miles	Weight in pounds
No. 9 B. & S. G. copper	1,132.61	236,715
No. 10 B. & S. G. copper	838.62	139,210
No. 11 B. & S. G. copper	139.86	22,097
No. 8 weatherproof copper	15.00	5,235
No. 4 copper-clad steel	12.00	7,440
No. 8 copper-clad steel	75.68	18,541
No. 14 copper-clad steel	7.68	468
No. 17 copper-clad steel	10.88	326
No. 19 paper-insulated lead-covered cable	819.20	112,082
No. 22 paper-insulated lead-covered cable	34.00	296,208
No. 12 B.W.G. galvanized iron	11.40	1,881
No. 6 aluminum cable, steel-reinforced	129.44	24,852
6 x .0661 steel and 1 x .0661 aluminum	132.00	77,748
No. 12 weather-proof iron	3.98	1,241
Totals	3,362.35	944,044

THUNDER BAY SYSTEM—HIGH-VOLTAGE TELEPHONE LINES

TOTAL MILEAGE AND WEIGHT OF CONDUCTORS

Size and material—B. & S. gauge	Wire miles	Weight in pounds
3 x 12 galv. steel	13.24	6,554
3 x 13 galv. steel	161.04	60,390
No. 6 a.c.s-r	18.32	3,517
No. 10 copper-clad steel	8.50	1,309
Totals	201.10	71,770

NOTE.—a.c.s-r.—aluminum conductor steel-reinforced.

LINES FOR HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines			Total mileage of single-circuit lines completed to Oct. 31, 1927
Completed to Oct. 31, 1927	Completed Oct. 31, 1926, to Oct. 31, 1927	Under construction Oct. 31, 1927	
6.62	.....	.....	6.62
80.52	.....	.....	80.52
9.16	.....	.....	9.16
4.25	.....	.....	4.25
100.55	.....	.....	100.55

WOOD AND STEEL-POLE TRANSMISSION AND TELEPHONE LINES

(Excluding High-Voltage Lines)

TOTAL MILEAGE OF LINES AND NUMBER OF POLES

Lines	Miles completed		
	To Oct. 31, 1926	Oct. 31, 1926 to Oct. 31, 1927	Totals to Oct. 31, 1927
Low-tension lines completed	2,317 75	33.87	2,351.62
Low-tension lines under construction	.....	1.68	1.68
Single-circuit lines completed	1,758.68	41.59	1,800.27
Double-circuit lines completed	519.13	2.28	521.41
Three-circuit lines completed	23.73	.....	23.73
Four-circuit lines completed	15.88	.....	15.88
Five-circuit lines completed	0.33	.....	0.33
Single-circuit telephone lines completed	2,078.73	4.37	2,083.10
Double-circuit telephone lines completed	51.42	.....	51.42
POLES AND TOWERS			
Number of poles erected	95,830	911	96,741
Number of steel poles erected	376	.....	376
Number of poles under construction	.....	16	16

WOOD AND STEEL-POLE

SUMMARY—

GAUGE, LENGTH AND

Size and material of conductors	Wire miles of conductors			Weight in pounds			Miles of single-lines	
	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927
500,000 c.m. aluminum	57.48	17.19	.....	143,125	42,803	.....	.....	1.17
345,000 c.m. aluminum	215.19	.....	.....	352,266	.....	.....	1.51	.....
336,400 c.m. aluminum	7.26	.....	.....	12,109	.....	.....	.....	.....
300,000 c.m. aluminum	42.30	.....	.....	63,027	.....	.....	.....	.....
173,000 c.m. aluminum	37.29	.....	.....	32,293	.....	.....	1.51	.....
4/0 alum. (211,600 c.m.)	771.27	.....	.....	813,130	.....	.....	183.89	.....
3/0 alum. (167,800 c.m.)	1,989.18	.....	.....	1,658,974	.....	.....	250.94	.....
2/0 alum. (133,079 c.m.)	183.60	.....	.....	122,093	.....	.....	32.68	.....
1/0 alum. (105,534 c.m.)	710.85	.....	.....	373,195	.....	.....	161.33	.....
No. 2 alum. (66,373 c.m.)	421.17	.....	.....	138,985	.....	.....	133.09	.....
500,000 c.m. a.c.s-r.	.....	.....	97.65	.....	.....	396,868	.....	.....
605,000 c.m. a.c.s-r.	1.65	.....	.....	6,794	.....	.....	0.55	.....
336,400 c.m. a.c.s-r.	19.44	.....	85.80	54,198	.....	239,210	6.48	.....
125,000 c.m. a.c.s-r.	233.34	.....	.....	214,672	.....	.....	77.78	.....
4/0 a.c.s-r (211,600 c.m.)	292.80	.....	.....	455,594	.....	.....	82.48	.....
3/0 a.c.s-r. (167,800 c.m.)	148.02	.....	.....	181,619	.....	.....	27.04	.....
2/0 a.c.s-r. (133,079 c.m.)	82.59	.....	.....	80,690	.....	.....	26.15	.....
1/0 a.c.s-r. (105,534 c.m.)	651.66	.....	.....	505,685	.....	.....	214.56	.....
No. 2 a.c.s-r. (66,373 c.m.)	1,013.43	13.11	.....	494,551	6,397	.....	291.76	4.37
190,000 c.m. copper	127.59	3.93	.....	404,205	12,450	.....	18.51	1.31
173,000 c.m. copper	3.75	.....	.....	10,552	.....	.....	1.25	.....
115,000 c.m. copper	55.08	2.22	.....	102,944	4,149	.....	11.56	0.74
4/0 copper (211,600 c.m.)	209.55	.....	.....	719,316	.....	.....	0.63	.....
3/0 copper (167,800 c.m.)	3.36	.....	.....	9,149	.....	.....	.....	.....
2/0 copper (133,079 c.m.)	236.91	.....	.....	511,961	.....	.....	35.17	.....
1/0 copper (105,534 c.m.)	218.64	.....	.....	373,873	.....	.....	51.08	.....
No. 1 copper (83,694 c.m.)	9.00	.....	.....	12,258	.....	.....	3.00	.....
No. 2 copper (66,373 c.m.)	79.59	.....	.....	85,876	.....	.....	26.53	.....
No. 3 copper (52,634 c.m.)	18.42	.....	.....	15,749	.....	.....	4.80	.....
No. 4 copper (41,742 c.m.)	87.84	.....	.....	59,379	.....	.....	.....	.....
No. 6 copper (26,250 c.m.)	104.34	.....	.....	44,344	.....	.....	33.78	.....
3 x 12 galv. steel (35,643 c.m.)	36.39	.....	.....	18,013	.....	.....	12.13	.....
1/4″ galv. steel (48,223 c.m.)	30.99	.....	.....	20,453	.....	.....	10.33	.....
9/32″ galv. steel (63,200 c.m.)	85.05	.....	.....	71,782	.....	.....	28.35	.....
7/16″ galv. steel (153,200 c.m.)	32.10	.....	.....	70,331	.....	.....	.....	.....
5/16″ galv. steel (83,200 c.m.)	472.95	.....	.....	524,026	.....	.....	107.45	.....
6 galv. iron (41,000 c.m.)	144.78	.....	.....	83,075	.....	.....	48.26	.....
Totals	8,834.85	36.45	182.55	8,840,286	65,799	636,078	1,884.58	7.59

NOTE.—a.c.s-r.—aluminum cable, steel reinforced.
—Weights include steel.

TRANSMISSION LINES

(Excluding High-Voltage Lines)

WEIGHT OF CONDUCTORS

circuit	Miles of double-circuit lines			Miles of three-circuit lines			Miles of four-circuit lines			Total circuit miles of 1-, 2-, 3- and 4-circuit lines completed to October 31, 1927
Under construction Oct. 31, 1927	Completed Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	
.....	9.58	2.28	.....	.....	.....	.....	.....	.....	.....	13.03
.....	35.11	.....	.....	.....	.....	.....	.....	.....	.....	36.62
.....	1.21	.....	.....	.....	.....	.....	.....	.....	.....	1.21
.....	.....	.....	.....	4.70	.....	.....	.....	.....	.....	4.70
.....	5.46	.....	.....	.....	.....	.....	.....	.....	.....	6.97
.....	36.60	.....	.....	.....	.....	.....	.....	.....	.....	220.49
.....	206.06	.....	.....	.....	.....	.....	.....	.....	.....	457.00
.....	14.26	.....	.....	.....	.....	.....	.....	.....	.....	46.94
.....	37.81	.....	.....	.....	.....	.....	.....	.....	.....	199.14
.....	3.65	.....	.....	.....	.....	.....	.....	.....	.....	136.74
32.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.55
28.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.48
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77.78
.....	7.56	.....	.....	.....	.....	.....	.....	.....	.....	90.04
.....	11.15	.....	.....	.....	.....	.....	.....	.....	.....	38.19
.....	0.69	.....	.....	.....	.....	.....	.....	.....	.....	26.84
.....	1.03	.....	.....	.....	.....	.....	.....	.....	.....	215.59
.....	21.81	.....	.....	0.81	.....	.....	.....	.....	.....	318.75
.....	12.01	.....	.....	.....	.....	.....	.....	.....	.....	31.83
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.25
.....	3.40	.....	.....	.....	.....	.....	.....	.....	.....	15.70
.....	2.85	.....	.....	.....	.....	.....	15.88	.....	.....	19.36
.....	0.56	.....	.....	.....	.....	.....	.....	.....	.....	0.56
.....	21.90	.....	.....	.....	.....	.....	.....	.....	.....	57.07
.....	10.90	.....	.....	.....	.....	.....	.....	.....	.....	61.98
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.53
.....	0.67	.....	.....	.....	.....	.....	.....	.....	.....	5.47
.....	14.64	.....	.....	.....	.....	.....	.....	.....	.....	14.64
.....	0.50	.....	.....	.....	.....	.....	.....	.....	.....	34.28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.35
.....	5.35	.....	.....	.....	.....	.....	.....	.....	.....	5.35
.....	25.10	.....	.....	.....	.....	.....	.....	.....	.....	132.55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.26
60.85	489.86	2.28	.....	5.51	.....	.....	15.88	.....	.....	2,405.70

This sheet is based on route and wire miles.

TELEPHONE

ERECTED ON WOOD-POLE LINES

GAUGE, LENGTH AND WEIGHT OF ALUMINUM,

Size and material of wire	Miles of wire				Weight in	
	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 to Oct. 31, 1927
No. 8 B. & S. G. c-c. steel....	181.16	.....	.....	181.16	44,384	.....
No. 10 B. & S.G. c-c steel.....	1,014.18	.....	.....	1,014.18	156,183	.....
No. 17 B. & S. G. c-c. steel....	12.02	.....	.....	12.02	360	.....
No. 9 copper.....	220.32	.....	.....	220.32	46,046	.....
No. 10 copper.....	176.86	.....	.....	176.86	29,358	.....
No. 6 B. W. G. galv. iron....	25.98	.....	.....	25.98	14,886	.....
No. 8 B. W. G. galv. iron....	5.70	.....	.....	5.70	2,154	.....
No. 9 B. W. G. galv. iron....	1,735.42	.....	.....	1,735.42	529,303	.....
No. 10 B. W. G. galv. iron....	80.22	.....	.....	80.22	20,055	.....
No. 12 B. W. G. galv. iron....	86.72	.....	.....	86.72	14,308	.....
No. 6 a.c.s-r.....	612.58	8.74	.....	621.32	117,615	1,678
3 x 12 steel.....	88.88	.....	.....	88.88	295,437	.....
3 x 13 steel.....	121.62	.....	.....	121.62	307,941	.....
¼″ galv. steel.....	1.48	.....	.....	1.48	976	.....
19 p-i.l-c. cable.....	7.00	.....	.....	7.00	69,111	.....
Totals.....	4,370.14	8.74	.....	4,378.88	1,648,117	1,678

NOTE.—For telephone lines generally on wood poles and serving 110,000-volt power lines see separate table.

p-i.l-c.c.—paper insulated, lead covered cable.

LINES

CARRYING POWER CONDUCTORS

COPPER-CLAD STEEL AND GALVANIZED IRON WIRE

pounds		Single-circuit mileage			Double-circuit mileage			1- and 2- circuit totals completed to October 31, 1927
Under construction Oct. 31, 1927	Completed to Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927	Under construction Oct. 31, 1927	Completed to Oct. 31, 1926	Completed Oct. 31, 1926 toOct.31,1927	Under construction Oct. 31, 1927	
.....	44,384	90.58	.....	.....	.....	.....	.....	90.58
.....	156,183	503.27	.....	.....	1.91	.....	.....	505.18
.....	360	6.01	.....	.....	.....	.....	.....	6.01
.....	46,046	110.16	.....	.....	.....	.....	.....	110.16
.....	29,358	88.43	.....	.....	.....	.....	.....	88.43
.....	14,886	12.99	.....	.....	.....	.....	.....	12.99
.....	2,154	2.85	.....	.....	.....	.....	.....	2.85
.....	529,303	867.71	.....	.....	.....	.....	.....	867.71
.....	20,055	40.11	.....	.....	.....	.....	.....	40.11
.....	14,308	43.36	.....	.....	.....	.....	.....	43.36
.....	119,293	207.27	4.37	.....	49.51	.....	.....	261.15
.....	295,437	44.44	.....	.....	.....	.....	.....	44.44
.....	307,941	60.81	.....	.....	.....	.....	.....	60.81
.....	976	0.74	.....	.....	.....	.....	.....	0.74
.....	69,111	3.50	.....	.....	.....	.....	.....	3.50
.....	1,649,795	2,082.23	4.37	.....	51.42	.....	.....	2,138.02

B. & S. G.—Browne & Sharpe gauge. B. W. G.—Birmingham wire gauge.

APPENDIX III

DISTRIBUTION LINES AND SYSTEMS

Summaries of Data respecting Rural Distribution Systems, Distribution Feeders, Metering Stations, and Municipal Distribution Systems constructed by the Hydro-Electric Power Commission

Below is shown in tabular and descriptive form the work carried on under the supervision of the Distribution section of the Electrical Engineering department during the year ended October 31, 1927.

This work includes the construction of rural distribution systems, the installation of 4,000-volt feeders to supply urban municipalities and the construction of metering equipments.

Work in connection with distribution systems was done by the Commission for certain municipalities, private companies, etc., at the request and at the expense of the parties concerned.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System	At October 31, 1926		At October 31, 1927	
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
Niagara system	1,715.2	15,164	2,521.1	19,769
Georgian Bay system	86.5	784	98.5	938
St. Lawrence system	41.1	221	53.3	336
Ottawa system	34.9	196	69.2	363
Central Ontario and Trent system	75.0	700	118.4	1,747
Nipissing system	.....	.....	1.9	110
Total	1,953.0	17,065	2,862.0	23,263

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS

Rural power district	Property number	At October 31, 1926		At October 31, 1927	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM					
Niagara	N1D1	29.8	135	35.6	182
Grantham	N1D2	32.0	380	41.7	391
Jordan	N1D3	13.4	77	18.1	111
Beamsville	N1D4	67.9	438	85.0	553
Welland	N1D5	81.2	1,282	98.8	1,495
Stamford	N1D6	9.0	206	9.0	215
Chippawa	N1D7	8.8	87	9.0	93
Dundas	N2D1	56.7	344	65.9	387
Lynden	N2D2	29.3	120	32.1	139
Waterdown	N2D3	12.5	195	17.6	210
Caledonia	N2D5	4.3	12	11.9	45
Barton	N2D7	9.8	41	9.9	71
Haldimand	N2D8	7.9	46	7.9	58
Markham	N3D1	8.8	146	33.6	154
Scarboro	N3D2	7.0	50	26.8	152
Bond Lake	N3D3	22.7	542	30.1	609
Newmarket	N3D4	9.0	102	10.8	132
Kewick	N3D5	13.0	465	17.0	557
Mount Joy	N3D6	.....	15	Transferred to Markham R.P.D.	
Lansing	N3D7	11.6	66	Transferred to N. York Twp.	
Dorchester	N4D1	50.6	286	83.8	409
London	N4D2	77.2	1,018	103.1	1,256
Delaware	N4D3	34.4	192	70.0	366
Strathroy	N4D4	2.4	.....	6.3	41
Lucan (a)	N4D5	11.4	59	13.1	51
Exeter	N4D6	23.7	258	33.1	334
Acton	N5D1	.....	.....	0.2	.....
Georgetown	N5D2	5.4	41	19.0	104
Guelph	N5D3	12.1	65	14.8	71
Elora	N5D4	3.4	55	6.4	86
Preston	N6D1	51.8	364	72.1	499
Galt	N6D2	14.1	118	18.8	162
Baden	N7D1	25.5	144	44.1	200
St. Jacobs	N7D2	23.3	187	24.3	194
Elmira	N7D3	3.8	29	3.8	31
Tavistock	N8D1	11.0	56	22.5	94
Goderich	N8D2	2.1	36	2.1	35
Walton	N8D3	0.8	27	6.8	30
Stratford	N8D4	5.0	110	18.0	114
Mitchell	N8D7	16.0	127	20.0	143
Listowel	N8D8	19.9	90	19.9	118
Milverton	N8D9	.....	.....	12.7	60
St. Marys	N9D1	.....	.....	9.2	.....
Norwich	N10D1	42.6	236	73.2	304
Woodstock	N10D2	71.4	327	93.1	409
Ingersoll	N10D3	3.9	13	20.8	15
Tillsonburg	N10D4	63.6	338	74.4	400
Embro	N10D5	.....	.....	4.7	.....
St. Thomas	N11D1	45.0	516	60.2	596
Aylmer	N11D2	38.9	113	60.6	341
Dutton	N11D3	3.0	28	3.0	33
Brant	N12D1	26.1	174	28.9	193
Burford	N12D2	6.0	.....	10.0	71

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1926		At October 31, 1927	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM—Continued					
Waterford	N12D3	8.9	15	11.5	47
Ayr	N12D4	6.4	22	6.8	30
Drumbo	N12D5	9.2	95	19.3	126
Simcoe	N12D6	11.2	61	21.2	126
Walsingham	N12D7	5.3	.....	8.4	69
Streetsville	N13D1	32.1	99	43.5	180
Brampton	N13D2	7.2	31	16.1	54
Milton	N13D3	8.9	27	25.7	161
Chatham	N14D1	40.9	229	65.8	319
Ridgetown	N14D2	37.5	233	50.5	373
Blenheim	N14D3	11.2	75	24.4	137
Brigden	N14D8	2.8	.....	13.1	34
Oil Springs	N14D9	10.6	69	12.5	77
Bothwell	N14D10	5.3	12	11.5	45
Thamesville	N14D11	.....	.....	4.9	.....
Wallaceburg	N14D13	37.0	236	37.8	276
Tilbury	N14D14	6.0	45	13.6	53
Sandwich	N15D1	64.6	1,122	82.6	1,491
Belle River	N15D2	22.9	167	24.2	200
Amherstburg	N15D3	14.8	266	39.6	376
Harrow	N15D4	8.5	113	29.2	241
Kingsville	N15D5	42.3	629	64.8	803
Essex	N15D7	31.6	120	43.5	217
Woodbridge	N16D1	46.0	310	95.7	477
Bolton	N16D2	1.2	3	11.0	42
Saltfleet	N17D1	61.4	688	64.4	734
Sarnia	N18D4	51.4	735	59.5	746
Petrolia	N18D5	0.7	6	0.7	6
Forest	N18D6	0.2	.....	5.5	15

(*a*) Part of Lucan rural power district transferred to London rural power district.

GEORGIAN BAY SYSTEM

Eugenia Division					
Flesherton	E1D1	1.6	17	1.6	17
Markdale	E1D2	1.0	2	1.0	2
Neustadt	E8D1	.....	.....	0.3	1
Shelburne	E10D1	2.4	9	2.4	10
Orangeville	E12D1	.....	.....	8.7	19
Tara	E15D1	.....	2	.....	2
Lucknow	E24D1	.....	.....	.....	1
Ripley	E24D2	.....	2	.....	2
Walkerton	E26D1	1.6	4	1.6	5
Wasdells Division					
Sparrow Lake	W1D1	16.0	114	16.0	125
Georgina	W2D2	9.5	41	9.5	73
Cannington No. 1	W3D1	3.4	18	3.8	20
Cannington No. 2	W3D2	4.1	19	4.1	19
Uxbridge	W7D1	1.0	4	1.0	5
Port Perry	W7D2	.....	22	1.8	27
Mariposa	W9D1	19.8	129	20.2	134

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Concluded

Rural power district	Property number	At October 31, 1926		At October 31, 1927	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
GEORGIAN BAY SYSTEM—Continued					
Severn Division					
Barrie	S4D1	5.5	57	6.0	72
Nottawasaga	S5D1	7.8	77	7.8	82
Elmvale	S7D1	.....	20	.....	21
Stayner	S10D1	12.4	246	12.4	300
Beeton	S33D1	0.3	1	0.3	1
ST. LAWRENCE SYSTEM					
Prescott	L2D1	14.4	70	14.4	72
Brockville	L3D1	6.8	37	6.8	39
Chesterville	L5D1	8.8	37	10.2	78
Williamsburg	L7D1	0.3	1	0.6	1
Martintown	L13D1	10.8	75	10.8	78
Apple Hill	L14D1	.....	1	10.5	68
OTTAWA SYSTEM					
Nepean	T1D1	34.9	196	69.2	363
CENTRAL ONTARIO AND TRENT SYSTEM					
Trenton	C3D1	0.6	1	1.5	26
Colborne	C7D1	9.8	78	9.8	80
Campbellford	C11D1	11.0	31	11.0	31
Cobourg	C13D1	.....	.....	5.0	33
Port Hope	C16D1	.....	.....	6.8	18
Peterborough	C20D1	.....	.....	10.2	610
Newcastle	C22D1	.....	.....	1.2	3
Bowmanville	C23D1	0.5	3	0.5	3
Oshawa	C24D1	31.6	419	40.3	493
Pickering	C24D2	6.2	92	6.4	99
Belleville	C38D1	.....	.....	9.0	267
Napanee	C43D1	.....	.....	1.0	1
Kingston	C44D1	15.2	75	15.2	79
Wellington	C45D1	0.1	1	0.5	4
NIPISSING SYSTEM					
North Bay	Z4D1	.....	.....	1.9	110

DISTRIBUTION FEEDER CONSTRUCTION

During the year 1927, the following work was carried on in connection with Distribution Feeder Lines.

N 367x7—Markham Junction to Markham

The Town of Markham is now fed from Mount Joy Distributing Station. 2.5 miles of this line was transferred to rural capital and the remainder dismantled.

N 439x8—Dorchester Distributing Station to Thamesford

This line was changed to 13,200 volts.

N 1138x41—Aylmer Distributing Station to Malahide Distributing Station

3 phase, 4,000 volt, 1.2 miles. This was new construction and was placed in service December 18, 1926.

N 1253x22—St. Williams Distributing Station to Port Rowan

3 phase, 4,000 volt, 4.50 miles. This was new construction and was placed in service November 26, 1926.

N 1434x91—Blenheim Distributing Station to Erieau

This line was single phase. One phase wire was added and placed in service February 4, 1927.

N 1547x16—Essex Distributing Station to Cottam

2 phases 4,000 volt, 3.00 miles. This line was transferred from rural capital November 1, 1926, owing to the incorporation of the village of Cottam.

N 1631x6—New Toronto Distributing Station to Mimico Asylum

3 phase, 2,300 volt, 0.67 miles.

N 1631x7—New Toronto Distributing Station to Provincial Brick Yards

3 phase, 2,300 volt, 1.40 miles. The original Mimico Asylum and Provincial Brick Yard feeders were partially rerouted and rehabilitated. The portion originally belonging to the Provincial Government was purchased. Placed in service March 8, 1927.

N 1871x11—Arkona Junction to Arkona

3 phase, 4,000 volt, 4.50 miles. This line was constructed to serve the village of Arkona and was placed in service December 1, 1926.

M 462x2—Muskoka Beach Junction to Muskoka Beach

1 phase, 2,300 volt, 2.1 miles. This line was constructed to serve the Muskoka Lodge hotel and was placed in service August 3, 1927.

METERING STATIONS CONSTRUCTED

Stations	Property number	Date work was completed	Measuring power for
Port Rowan metering station	N1252	Nov. 27, 1926	Municipality of Port Rowan
St. Williams metering station	N1253	Dec. 19, 1926	Walsingham R.P.D. and Port Rowan
Ancaster Twp. metering station	N244	Dec. 29, 1926	Ancaster
Stouffville metering station	N351	Feb. 24, 1927	Municipality of Stouffville
North York Twp. metering station	N353	Sept. 28, 1927	North York Twp.
Scarboro R.P.D. metering station	N3D32	Aug. 11, 1927	Scarboro R.P.D.
Lambeth metering station	N433	Nov. 7, 1926	Municipality of Lambeth
Malahide distributing station	N1141	Dec. 22, 1926	Aylmer R.P.D.
Brant R.P.D. metering station	N12D31	Mar. 19, 1927	Brant R.P.D.
Milton R.P.D. metering station	N13D33	Oct. 14, 1927	Milton R.P.D.
Milton Pressed Brick metering station (c)	N1335	Dec. 15, 1926	Milton Pressed Brick Company
Wardsville metering station (a)	N1451	Jan. 14, 1927	Municipality of Wardsville
Arkona metering station	N1841	Dec. 15, 1926	Municipality of Arkona
Thedford metering station	N1854	Dec. 9, 1926	Municipality of Thedford
Sarnia R.P.D. metering station (b)	N18D34	Mar. 12, 1927	Sarnia R.P.D.

(*a*) Station moved. (*b*) Station dismantled. (*c*) Station enlarged.

METERING STATIONS CONSTRUCTED—Continued

Stations	Property number	Date work was completed	Measuring power for
GEORGIAN BAY SYSTEM			
Severn Division			
Stayner R.P.D. metering station..	S10D31	May 14, 1927	Stayner R.P.D.
Eugenia Division			
Orangeville R.P.D. metering station	E12D31	Aug. 24, 1927	Orangeville R.P.D.
ST. LAWRENCE SYSTEM			
Maxville metering station.....	L1433	Dec. 2, 1926	Municipality of Maxville
CENTRAL ONTARIO AND TRENT SYSTEM			
Port Hope R.P.D. metering station	C16D31	Sept. 29, 1927	Port Hope R.P.D.
Pickering R.P.D. metering station.	C24D32	Aug. 11, 1927	Pickering R.P.D.

CONSTRUCTION OF DISTRIBUTION SYSTEMS FOR MUNICIPALITIES AND OUTSIDE PARTIES

Work done for	Date work was commenced	Date work was made alive	Date work was completed
NIAGARA SYSTEM			
Municipality of Appin.....(a)	Nov. 3, 1926	Nov. 15, 1926	Nov. 15, 1926
Municipality of Arkona.....	Oct. 7, 1926	Dec. 14, 1926	Dec. 14, 1926
Municipality of Brownsville.....(a)	Dec. 10, 1926	Dec. 25, 1926	Dec. 25, 1926
Municipality of Beaver Dams Center.....(a)	Nov. 23, 1926	Jan. 1, 1927	Jan. 21, 1927
Municipality of Cottam.....	Nov. 20, 1926	Jan. 28, 1927	Feb. 8, 1927
Municipality of Clairville.....(a)	Jan. 7, 1927	Mar. 2, 1927	Mar. 2, 1927
Municipality of Claremont.....(a)	Oct. 13, 1927	Oct. 25, 1927	Oct. 25, 1927
Municipality of Fisherville.....(a)	Oct. 26, 1926	Jan. 5, 1927	Jan. 5, 1927
Municipality of Fingal.....(b)	Feb. 5, 1927	Feb. 7, 1927	Feb. 7, 1927
Municipality of Freelton.....(a)	Nov. 11, 1926	Dec. 1, 1926	Dec. 29, 1926
Municipality of Grand Bend.....(a)	Nov. 1, 1926	Nov. 29, 1926	Nov. 29, 1926
Municipality of Hickson.....(a)	Mar. 14, 1927	Mar. 17, 1927	Mar. 17, 1927
Municipality of Ilderton.....(a)	Dec. 1, 1926	Dec. 23, 1926	Dec. 23, 1926
Municipality of Port Burwell.....	July 16, 1927	Aug. 20, 1927	Aug. 20, 1927
Municipality of Port Rowan.....	Sept. 2, 1926	Nov. 26, 1926	Nov. 30, 1926
Municipality of Palgrave.....(a)	July 6, 1927	Sept. 8, 1927	Sept. 8, 1927
Municipality of Roseland.....(a)	Feb. 5, 1927	Mar. 5, 1927	Mar. 5, 1927
Municipality of St. Williams.....(a)	Sept. 14, 1927	Sept. 28, 1927	Sept. 28, 1927
Municipality of Swansea.....(c)	Feb. 21, 1927	.....	April 30, 1927
Municipality of Vineland.....(a)	Nov. 23, 1926	Dec. 18, 1926	Dec. 29, 1926
Municipality of Wainfleet township.....(a)	Dec. 8, 1926	Dec. 13, 1926	Dec. 13, 1926

CONSTRUCTION OR DISTRIBUTION SYSTEMS FOR MUNICIPALITIES AND OUTSIDE PARTIES—Continued

Work done for	Date work was commenced	Date work was made alive	Date work was completed
ST. LAWRENCE SYSTEM			
Municipality of North Gower.....(*a*)	.....	Aug. 4, 1927	Aug. 4, 1927
Municipality of Osgoode.....(*a*)	.....	Aug. 4, 1927	Aug. 4, 1927
CENTRAL ONTARIO AND TRENT SYSTEM			
Municipality of Ashburn.....(*a*)	.....	Aug. 25, 1927	Aug. 25, 1927
Municipality of Myrtle.....(*a*)	.....	Aug. 25, 1927	Aug. 25, 1927

(*a*) Street lights only. (*b*) Addition of street lights. (*c*) Inventory.

INDEX

A

*The Statements "A", "B", "C", "D", and "E", appertaining to the local municipal electric utilities—and given in Section X of the Report—are detailed individually for Acton, but in the case of other municipalities are grouped under the sub-heading of "Municipal Accounts" with reference to Statements "A" and "B", and under the sub-heading "Statements" with reference to Statements "C", "D", and "E".

B

C

D

E

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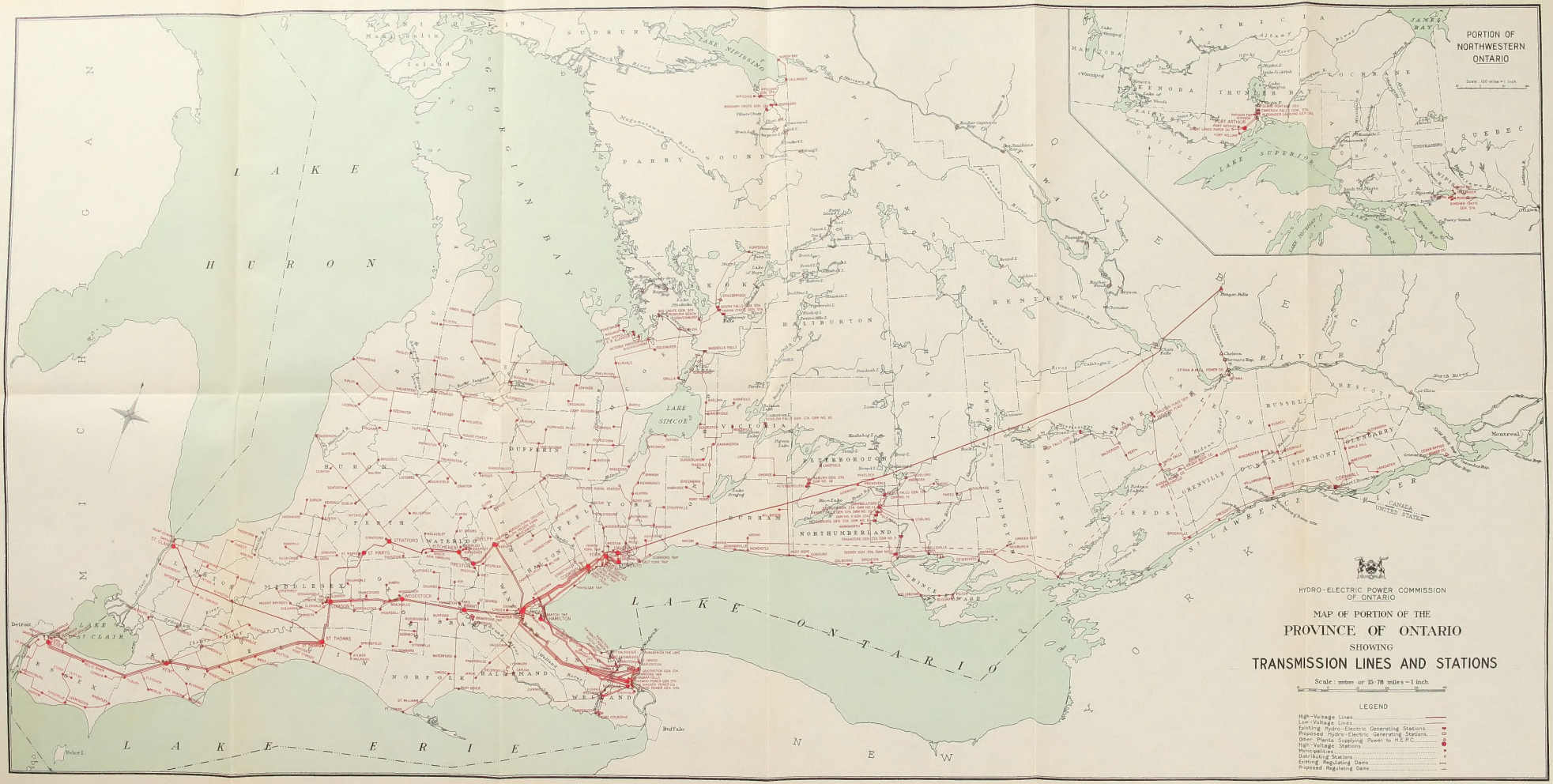
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
MAP OF PORTION OF THE
PROVINCE OF ONTARIO
SHOWING
TRANSMISSION LINES AND STATIONS
Scale: metres or 15·78 miles = 1 inch.
LEGEND
High-Voltage Lines
Low-Voltage Lines
Existing Hydro-Electric Generating Stations
Proposed Hydro-Electric Generating Stations
Other Plants Supplying Power to H.E.P.C.
High-Voltage Stations
Municipalities
Distributing Stations
Existing Regulating Dams
Proposed Regulating Dams
PORTION OF NORTHWESTERN ONTARIO
Scale, 100 miles = 1 inch
LAKE HURON
LAKE ONTARIO
LAKE ERIE
LAKE SIMCOE
LAKE NIPISSING
LAKE SUPERIOR
LAKE ST CLAIR
GEORGIAN BAY
JAMES BAY
Toronto
Hamilton
Ottawa
Montreal
Detroit
Buffalo
Toledo
CANADA
UNITED STATES
OCTOBER 31, 1927